

## Compilation of Changes to the CPC Scheme Between 2023.02 and 2023.05

### Presentation Details

- Entries for new symbols and headings: *Black text in italics*
- Entries for existing symbols and headings
- text insertions: *Green text in italics with yellow background*
  - text deletions: ~~Red strikethrough text with grey background~~
- Entries for deleted symbols and headings: ~~Black strikethrough text~~
- In cases when the originating project cannot be found, "N/A" is given for the Project information (e.g. the change could be due to an Editorial Correction).
  - Projects ending in "-F" indicate finalisation after reclassification was completed.

### Project: RP11513 (A01C)

- U A01C PLANTING; SOWING; FERTILISING (parts, details or accessories of agricultural machines or implements, in general [A01B 51/00](#) - [A01B 75/00](#))**
- U A01C 1/00 Apparatus, or methods of use thereof, for testing or treating seed, roots, or the like, prior to sowing or planting**
- M A01C 1/04
- Arranging ~~seeds~~*seed* on carriers, e.g. on tapes, on cords {~~Carrier compositions~~; *Carrier compositions*}
- U A01C 7/00 Sowing**
- U A01C 7/04
- Single-grain seeders with or without suction devices
- C A01C 7/042
- • {using pneumatic means}
- WARNING**  
*Group [A01C 7/042](#) is impacted by reclassification into groups [A01C 7/0443](#) and [A01C 7/0445](#).  
 Groups [A01C 7/042](#), [A01C 7/0443](#) and [A01C 7/0445](#) should be considered in order to perform a complete search.*
- C A01C 7/044
- • • {Pneumatic seed wheels}
- WARNING**  
*Group [A01C 7/044](#) is impacted by reclassification into groups [A01C 7/0445](#) and [A01C 7/0443](#).  
 Groups [A01C 7/044](#), [A01C 7/0445](#) and [A01C 7/0443](#) should be considered in order to perform a complete search.*
- N A01C 7/0443
- • • • {Seed singulators}
- WARNING**  
*Group [A01C 7/0443](#) is incomplete pending reclassification of documents from groups [A01C 7/042](#), [A01C 7/044](#) and [A01C 7/046](#).  
 All groups listed in this Warning should be considered in order to perform a complete search.*
- N A01C 7/0445
- • • • {Seed ejectors}
- WARNING**  
*Group [A01C 7/0445](#) is incomplete pending reclassification of documents from groups [A01C 7/042](#), [A01C 7/044](#) and [A01C 7/046](#).  
 All groups listed in this Warning should be considered in order to perform a complete search.*

- C A01C 7/046
- • • {with perforated seeding discs}
- WARNING**  
*Group A01C 7/046 is impacted by reclassification into groups A01C 7/0445 and A01C 7/0443. Groups A01C 7/046, A01C 7/0445 and A01C 7/0443 should be considered in order to perform a complete search.*
- U A01C 7/048
- {Seed tape planters}
- U A01C 7/08
- Broadcast seeders; Seeders depositing seeds in rows
- M A01C 7/10
- ~~Devices for adjusting the seed-box~~ {; ~~Devices for adjusting the seed-box~~ { Regulation of machines for depositing quantities at intervals}
- U A01C 7/16
- Seeders with other distributing devices, e.g. brushes, discs, screws or slides
- U A01C 7/163
- • • {Gravity distributors}
- F A01C 7/166  
(Frozen)
- • • {Centrifugal distributors}
- WARNING**  
*Group A01C 7/166 is no longer used for the classification of documents as of May 1, 2023. The content of this group is being reclassified into groups A01C 17/00, A01C 17/001, A01C 17/003, A01C 17/005, A01C 17/006 and A01C 17/008. All groups listed in this Warning should be considered in order to perform a complete search.*
- T A01C 17/00 Fertilisers or seeders with centrifugal wheels**
- WARNING**  
*Groups A01C 17/00 - A01C 17/008 are incomplete pending reclassification of documents from group A01C 7/166. All groups listed in this Warning should be considered in order to perform a complete search.*
- T A01C 17/001
- {Centrifugal throwing devices with a vertical axis}
- T A01C 17/003
- {Centrifugal throwing devices with a horizontal axis}
- T A01C 17/005
- {Driving mechanisms for the throwing devices}
- T A01C 17/006
- {Regulating or dosing devices}
- T A01C 17/008
- • {Devices controlling the quantity or the distribution pattern}

**Project: RP0689-F (A01K)**

- M A01K 3/00 Pasturing equipment, e.g. tethering devices; Grids for preventing cattle from straying; Electrified wire fencing (electric circuits or apparatus for supplying electric wire fencing [H05C](#))**
- WARNING**  
*Group A01K 3/00 is impacted by reclassification into group A01K 3/001. Groups A01K 3/00 and A01K 3/001 should be considered in order to perform a complete search.*
- M A01K 3/001
- {Portable, temporary, and collapsible fencing for pastures}
- WARNING**  
*Group A01K 3/001 is incomplete pending reclassification of documents from group A01K 3/00. Groups A01K 3/00 and A01K 3/001 should be considered in order to perform a complete search.*

- M A01K 3/002
- {Grids for preventing cattle from straying through an open passage of an enclosure}
- WARNING**  
Group A01K 3/002 is impacted by reclassification into group A01K 3/004. Groups A01K 3/002 and A01K 3/004 should be considered in order to perform a complete search.
- M A01K 3/004
- {of electrical type, e.g. tape, wire, or rod}
- WARNING**  
Group A01K 3/004 is incomplete pending reclassification of documents from group A01K 3/002. Groups A01K 3/002 and A01K 3/004 should be considered in order to perform a complete search.
- M A01K 3/005
- {Electrified fencing for pastures}
- WARNING**  
Group A01K 3/005 is impacted by reclassification into group A01K 3/006. Groups A01K 3/005 and A01K 3/006 should be considered in order to perform a complete search.
- M A01K 3/006
- {Gates specially adapted therefor}
- WARNING**  
Group A01K 3/006 is incomplete pending reclassification of documents from group A01K 3/005. Groups A01K 3/005 and A01K 3/006 should be considered in order to perform a complete search.

**Project: RP0706-F (A23C)**

- U A23C 11/00
- Milk substitutes, e.g. coffee whitener compositions (cheese substitutes [A23C 20/00](#); butter substitutes [A23D](#))**
- U A23C 11/02
- containing at least one non-milk component as source of fats or proteins (addition of non-milk fats or non-milk proteins in making cheese curd [A23C 19/055](#); whey or whey preparations containing non-milk components as source of fats or proteins [A23C 21/04](#))
- M A23C 11/10
- containing or not lactose but no other milk components as source of fats, carbohydrates or proteins
- WARNING**  
Group A23C 11/10 is impacted by reclassification into groups A23L 11/60 and A23L 11/65. Groups A23C 11/10, A23L 11/60, and A23L 11/65 should be considered in order to perform a complete search.
- M A23C 11/103
- {containing only proteins from pulses, oilseeds or nuts, e.g. nut milk}
- WARNING**  
Group A23C 11/103 is impacted by reclassification into groups A23L 11/60 and A23L 11/65. Groups A23C 11/103, A23L 11/60, and A23L 11/65 should be considered in order to perform a complete search.

- M A23C 11/106 . . . {Addition of, or treatment with, microorganisms ([A23C 20/025](#) takes precedence)}
- WARNING**  
Group A23C 11/106 is impacted by reclassification into groups A23L 11/60 and A23L 11/65.  
Groups A23C 11/106, A23L 11/60, and A23L 11/65 should be considered in order to perform a complete search.
- U A23C 20/00** **Cheese substitutes ([A23C 19/055](#), [A23C 19/093](#) take precedence)**
- M A23C 20/005 . {mainly containing proteins from pulses or oilseeds}
- WARNING**  
Group A23C 20/005 is impacted by reclassification into groups A23L 11/40 and A23L 11/45.  
Groups A23C 20/005, A23L 11/40, and A23L 11/45 should be considered in order to perform a complete search.
- M A23C 20/02 . containing neither milk components, nor caseinate, nor lactose, as sources of fats, proteins or carbohydrates
- WARNING**  
Group A23C 20/02 is impacted by reclassification into groups A23L 11/40 and A23L 11/45.  
Groups A23C 20/02, A23L 11/40, and A23L 11/45 should be considered in order to perform a complete search.
- M A23C 20/025 . . {mainly containing proteins from pulses or oilseeds}
- WARNING**  
Group A23C 20/025 is impacted by reclassification into groups A23L 11/40 and A23L 11/45.  
Groups A23C 20/025, A23L 11/40, and A23L 11/45 should be considered in order to perform a complete search.

**Project: RP0706-F (A23L)**

- U A23L 2/00** **Non-alcoholic beverages; Dry compositions or concentrates therefor (soup concentrates [A23L 23/10](#)); Their preparation (preparation of non-alcoholic beverages by removal of alcohol [C12H 3/00](#))**
- M A23L 2/38 . Other non-alcoholic beverages (drinks from legumes [A23L 11/60](#))
- WARNING**  
Group A23L 2/38 is impacted by reclassification into groups A23L 11/60 and A23L 11/65.  
Groups A23L 2/38, A23L 11/60, and A23L 11/65 should be considered in order to perform a complete search.
- M A23L 11/00** **Pulses, i.e. fruits of leguminous plants, for production of food; Products from legumes; Preparation or treatment thereof**
- WARNING**  
Group A23L 11/00 is impacted by reclassification into groups A23L 11/40, A23L 11/45, A23L 11/60, A23L 11/65, and A23L 11/70.  
All groups listed in this Warning should be considered in order to perform a complete search.

- M A23L 11/40
- Pulse curds
- WARNING**  
Groups A23L 11/40 and A23L 11/45 are incomplete pending reclassification of documents from groups A23C 20/005, A23C 20/02, A23C 20/025, and A23L 11/00.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A23L 11/50
- Fermented pulses or legumes; Fermentation of pulses or legumes based on the addition of microorganisms (removing undesirable substances [A23L 11/30](#); soy sauce [A23L 27/50](#))
- WARNING**  
Group A23L 11/50 is incomplete pending reclassification of documents from group A23L 11/70.  
Groups A23L 11/70 and A23L 11/50 should be considered in order to perform a complete search.
- M A23L 11/60
- Drinks from legumes, e.g. lupine drinks
- WARNING**  
Groups A23L 11/60 and A23L 11/65 are incomplete pending reclassification of documents from groups A23C 11/10, A23C 11/103, A23C 11/106, A23L 2/38, and A23L 11/00.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A23L 11/70
- Germinated pulse products, e.g. from soy bean sprouts
- WARNING**  
Group A23L 11/70 is incomplete pending reclassification of documents from group A23L 11/00.  
Group A23L 11/70 is also impacted by reclassification into group A23L 11/50.  
Groups A23L 11/00, A23L 11/70, and A23L 11/50 should be considered in order to perform a complete search.

**Project: RP0527-F (A45D)**

- U A45D 7/00 Processes of waving, straightening or curling hair**
- D A45D 2007/001  
—(Frozen)
- {Processes of bleaching or colouring hair for hair dressing purposes}
- WARNING**  
Group A45D 2007/001 is no longer used for the classification of documents as of January 1, 2020.  
The content of this group is being reclassified into groups A45D 19/0066, A45D 19/0075, and A45D 19/0083.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A45D 8/00
- Hair-holding devices {(as hair-curling or hair-waving appliances [A45D 2/00](#))}; Accessories therefor**
- WARNING**  
Group A45D 8/00 is impacted by reclassification into group A45D 8/001.  
Groups A45D 8/00 and A45D 8/001 should be considered in order to perform a complete search.

- M A45D 8/001 · {Multi-step processes of dressing hair using a hair-holding device}
- WARNING**  
Group A45D 8/001 is incomplete pending reclassification of documents from group A45D 8/00.  
Groups A45D 8/00 and A45D 8/001 should be considered in order to perform a complete search.
- U A45D 19/00** **Devices for washing the hair or the scalp; Similar devices for colouring the hair**
- U A45D 19/0041 · {Processes for treating the hair of the scalp}
- M A45D 19/0066 · · {Coloring or bleaching}
- WARNING**  
Groups A45D 19/0066, A45D 19/0075, and A45D 19/0083 are incomplete pending reclassification of documents from group A45D 2007/001.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A45D 19/02 · Hand-actuated implements, e.g. hand-actuated spray heads
- WARNING**  
Group A45D 19/02 is impacted by reclassification into groups A45D 19/024, A45D 19/026 and A45D 19/028.  
Groups A45D 19/02, A45D 19/024, A45D 19/026 and A45D 19/028 should be considered in order to perform a complete search.
- M A45D 19/024 · · {comprising two clamping surfaces for insertion of hair there between}
- WARNING**  
Group A45D 19/024 is incomplete pending reclassification of documents from group A45D 19/02.  
Groups A45D 19/02 and A45D 19/024 should be considered in order to perform a complete search.
- M A45D 19/026 · · {having brush or comb applicators ([A45D 24/22](#) take precedence; brushes with reservoir or other means for applying substances [A46B 11/00](#))}
- WARNING**  
Group A45D 19/026 is incomplete pending reclassification of documents from group A45D 19/02.  
Groups A45D 19/02 and A45D 19/026 should be considered in order to perform a complete search.
- M A45D 19/028 · · {having applicators other than brushes or combs, e.g. rollers, balls or sponges}
- WARNING**  
Group A45D 19/028 is incomplete pending reclassification of documents from group A45D 19/02.  
Groups A45D 19/02 and A45D 19/028 should be considered in order to perform a complete search.

**Project: N/A (A47B)**

- U A47B 13/00** **Details of tables or desks (drawers [A47B 88/00](#); feet for furniture in general [A47B 91/00](#))**
- U A47B 13/02 · Underframes
- M A47B 13/021 · · {Fastening devices of the feet *or legs* ([A47B 13/023](#) takes precedence)}

## Project: MP10333 (A47J)

- M A47J 9/00 Apparatus or utensils for shaping {or dispensing portions of} butter or the like (for use in dairies [A01J 19/00](#), [A01J 21/00](#), ~~{A01J 23/00}~~; ~~moulding plastic material in general B29G~~)
- U A47J 17/00 Household peeling, stringing, or paring implements or machines (for foodstuffs in bulk [A23N](#))
- M A47J 17/14 • Machines for peeling (~~universal kitchen machines A47J 43/04~~)
- U A47J 27/00 **Cooking-vessels ([A47J 29/00](#) - [A47J 33/00](#) take precedence)**
- M A47J 27/002 • {Construction of cooking-vessels (~~with enlarged bottom A47J 27/022, made of specific materials A47J 36/02~~); Methods or processes of manufacturing specially adapted for cooking-vessels (~~making cooking pots by processing sheet metal or metal tubes, rods or profiles without removing material B21D 51/22~~)}
- U A47J 27/04 • for cooking food in steam; Devices for extracting fruit juice by means of steam {; Vacuum cooking vessels (steam-heated vessels for hotels, restaurants or canteens [A47J 27/16](#))}
- M A47J 27/05 • • Tier steam-cookers, i.e. with steam-tight joints between cooking-vessels stacked while in use (~~tier pressure-cookers A47J 27/084; tier cooking-vessels in general A47J 27/13~~)
- M A47J 27/06 • Steam-heated kettles for domestic use (~~cooking-vessels with water-bath A47J 27/10; cooking-vessels with steam jacket for hotels, restaurants or canteens A47J 27/17; milk-boiling vessels with water or steam jacket A47J 27/57~~)
- U A47J 27/08 • Pressure-cookers; Lids or locking devices specially adapted therefor
- M A47J 27/0817 • • {Large-capacity pressure cookers; Pressure fryers (~~cooking-vessels heated by steam A47J 27/16~~)}
- M A47J 27/082 • • with inserts for cooking different foods separately at the same time; Inserts therefor (~~inserts for cooking vessels in general A47J 36/16~~)
- M A47J 27/084 • • with adjustable volume; Tier pressure-cookers (~~tier steam-cookers A47J 27/05; tier cooking-vessels in general A47J 27/13~~)
- M A47J 27/09 • • Safety devices (~~including the pressure indicators~~)
- M A47J 27/10 • Cooking-vessels with water-bath arrangements for domestic use (~~milk-boilers with water-bath A47J 27/575~~)
- M A47J 27/12 • Multiple-unit cooking vessels (~~carriers for prepared food A47J 47/14~~)
- M A47J 27/13 • • Tier cooking-vessels (~~Cooking-vessels with adjustable volume; Cooking-vessels with lids or covers which may be used as a cooking vessel (tier steam-cookers with steam-tight joints between stacked vessels A47J 27/05; tier pressure-cookers A47J 27/084)~~)
- M A47J 27/21 • Water-boiling vessels, e.g. kettles (~~for coffee-making machines A47J 31/54~~)
- M A47J 27/21166 • • {Constructional details or accessories (~~for coffee makers or the like A47J 31/44; for cooking vessels in general A47J 36/00~~)}
- M A47J 27/212 • • with **signalling**~~signaling~~ means, e.g. whistling kettles (~~signalling milk-boiling vessels A47J 27/57~~)
- U A47J 27/56 • Preventing boiling over, e.g. of milk (appliances for preventing or destroying foam in dairy apparatus for treating milk [A01J 11/02](#))
- M A47J 27/57 • • Milk-boiling vessels with water or steam jackets, e.g. with **signalling** means (~~signaling means (cooking-vessels with steam jackets A47J 27/06; A47J 27/17; whistling kettles A47J 27/212)~~)
- U A47J 27/62 • • by devices for automatically controlling the heat supply by switching off heaters or for automatically lifting the cooking-vessels

- M A47J 27/64
- • • for automatically lifting the cooking-vessels ~~(devices for automatically lifting eggs from boiling water A47J 29/04)~~
- U A47J 29/00** **Egg-cookers**
- U A47J 29/02
- for eggs or poached eggs; Time-controlled cookers
- M A47J 29/04
- • Cookers for eggs with devices for automatically lifting the eggs from the boiling water ~~((devices for automatically lifting cooking-vessels A47J 27/64))~~
- M A47J 29/06
- Grasping devices for eggs; Supporting devices for eggs during boiling ~~((A47J 29/04 takes precedence; holding or clamping devices for fowl, venison or other meat or vegetables during cooking or cutting A47J 43/18))~~
- U A47J 31/00** **Apparatus for making beverages (household machines or implements for straining foodstuffs A47J 19/00; preparation of non-alcoholic beverages, e.g. by adding ingredients to fruit or vegetable juices, A23L 2/00; coffee or tea pots A47G 19/14; tea infusers A47G 19/16; brewing of beer C12C; preparation of wine or other alcoholic beverages C12G)**
- M A47J 31/02
- Coffee-making machines with removable extraction cups, to be placed on top of drinking-vessels; {i.e. coffee-makers with removable brewing vessels, to be placed on top of beverage containers, into which hot water is poured,}; e.g. cafe **filtre filter** (filters A47J 31/06 ~~;- with integral heating means A47J 31/10))~~
- M A47J 31/04
- Coffee-making apparatus with rising pipes ~~((pressure coffee-makers A47J 31/24))~~
- M A47J 31/057
- • with water container separated from beverage container, the hot water passing the filter only once {; i.e. classical type of drip coffee makers ~~(drip coffee makers only functioning with the water heating container in a higher position than the brewing vessel A47J 31/10))~~
- U A47J 31/06
- Filters or strainers for coffee or tea makers {; Holders therefor}
- U A47J 31/0657
- • {for brewing coffee under pressure, e.g. for espresso machines}
- M A47J 31/0689
- • • {Reusable cartridges suitable to be opened for being filled with brewing material and to be closed to envelope the brewing material therein ~~(disposable cartridges to be filled by the user with brewing material A47J 31/08; disposable cartridges already filled with brewing material B65D 85/8043))~~
- M A47J 31/10
- Coffee-making apparatus, in which the brewing vessel, ~~{; i.e. water heating container,};~~ is placed above or in the upper part of the beverage containers ~~{i.e. brewing vessel}; {i.e. brewing vessel}; Drip coffee-makers {with the water heating container in a higher position than the brewing vessel} (without integral heating means A47J 31/02, with hot water transport by rising pipes A47J 31/057 A47J 31/02 takes precedence))~~
- M A47J 31/18
- Apparatus in which ground coffee or tea-leaves are immersed in the hot liquid in the beverage container ~~(infusing bags A47G 19/16)~~
- U A47J 31/24
- Coffee-making apparatus in which hot water is passed through the filter under pressure, {i.e. in which the coffee grounds are extracted under pressure} (A47J 31/043 {and A47J 31/40} take precedence)
- U A47J 31/34
- • with hot water under liquid pressure
- U A47J 31/36
- • • with mechanical pressure-producing means
- U A47J 31/3604
- • • • {with a mechanism arranged to move the brewing chamber between loading, infusing and ejecting stations}
- M A47J 31/3609
- • • • {Loose coffee being employed ~~(with a filtering tape A47J 31/3652))~~
- U A47J 31/40
- Beverage-making apparatus with dispensing means for adding a measured quantity of ingredients, e.g. coffee, water, sugar, cocoa, milk, tea
- M A47J 31/408
- • {with means for moving a filter in the form of a tape ~~(coffee or tea filters per se A47J 31/06))~~

- U A47J 31/44      · Parts or details {or accessories} of beverage-making apparatus (filters or strainers [A47J 31/06](#))
- U A47J 31/4403    · · {Constructional details}
- U A47J 31/441     · · · {Warming devices or supports for beverage containers (warming devices not being part of the beverage-making apparatus [A47J 36/24](#); stands or holders for beverage containers not being part of the beverage-making apparatus [A47J 47/16](#))}
- U A47J 31/4425    · · · · {Supports for beverage containers when filled or while being filled (supports allowing to adapt the beverage making apparatus to the size of the beverage container [A47J 31/4482](#))}
- U A47J 31/4432    · · · · · {with means for keeping the beverage warm (urns with devices for keeping beverages hot or cool [A47J 31/50](#))}
- U A47J 31/4435    · · · · · · {Heated support plates}
- M A47J 31/4442    · · · · · · · {in combination with a continuous-flow heater for the water ([continuous-flow heaters per se A47J 31/542](#))}
- M A47J 31/4457    · · · {Water-level indicators (~~water-level controls A47J 31/56~~)}
- M A47J 31/54      · · Water boiling vessels {in beverage making machines (~~as an independent water-boiling vessel A47J 27/21~~)}
- M A47J 33/00      Camp cooking devices without integral heating means (travelling cookers with one burner [A47J 36/26](#); ~~other travelling cookers heated by petroleum, gasoline, spirit, or the like F24C~~)**
- U A47J 36/00      Parts, details or accessories of cooking-vessels ([A47J 27/00](#) - [A47J 33/00](#) take precedence insofar as these parts, details or accessories are restricted to a particular kind of cooking-vessel provided for in a single one of these groups)**
- M A47J 36/02      · Selection of specific materials, e.g. heavy bottoms with copper inlay or with insulating inlay (~~processes for applying fluoropolymers to obtain an anti-adhesive surface B05D 5/083~~)
- M A47J 36/022     · · {Cooking- or baking-vessels or supports thereof for using only once (eating- or serving-plates for using only once [A47G 19/02](#); ~~heat-resistant food-packages B65D 81/34~~)}
- M A47J 36/14      · Pouring-spouts, e.g. as parts separate from vessel (~~spouts in general B05B 1/22~~)
- M A47J 36/16      · Inserts (~~for preventing boiling over of milk A47J 27/60; for frying pans A47J 37/108~~)
- M A47J 36/18      · · Boilers or utensils with sieves inserted therein, e.g. potato-cookers (~~perforated supports A47J 36/20; basting devices in frying pans A47J 37/106~~)
- U A47J 36/24      · Warming devices
- M A47J 36/2477    · · {using solid fuel, e.g. with candles (~~baby bottle warmers A47J 36/2422; drinking cups A47J 36/245~~)}
- M A47J 36/2483    · · {with electrical heating means (~~baby bottle warmers A47J 36/2433; drinking cups A47J 36/2461~~)}
- M A47J 36/26      · · Devices for warming vessels containing drinks or food, especially by means of burners *{Warming devices with a burner, e.g. using gasoline}*; ~~{Warming devices with a burner, e.g. using gasoline}~~; Travelling cookers, e.g. using petroleum or gasoline with one burner (~~baby bottle warmers A47J 36/2411; drinking cups A47J 36/2444, using solid fuel A47J 36/2477, with electrical heating means A47J 36/2483~~)

- M A47J 36/28
  - Warming devices generating the heat by exothermic reactions, e.g. heat released by the contact of unslaked lime with water ~~{{packages having self-contained heating means generating heat by an exothermic reaction B65D 81/3484, materials for producing heat by chemical reactions G09K 5/16}}~~
- M A47J 36/32
  - Time-controlled igniting mechanisms or alarm devices ~~{; Electronic control devices (in egg-cookers A47J 29/02; in coffee-makers A47J 31/52; in bread-toasters A47J 37/0814)}~~
- M A47J 36/34
  - Supports for cooking vessels ~~{-vessels (for kitchen utensils A47J 47/16)}~~
- M A47J 36/38
  - for withdrawing or condensing cooking vapours ~~vapors (removing cooking fumes from domestic stoves or ranges F24C 15/20)}~~
- U A47J 37/00**

**Baking; Roasting; Grilling; Frying (bakers' ovens, non-domestic baking apparatus or equipment [A21B](#); domestic stoves or ranges [F24B](#), [F24C](#))**
- M A47J 37/04
  - Roasting apparatus with movably-mounted food supports or with movable heating implements; Spits ~~{{(field-cookers A47J 33/00, A47J 36/26, F24B)}~~
- U A47J 37/06
  - Roasters; Grills; Sandwich grills
- M A47J 37/0623
  - {Small-size cooking ovens, i.e. defining an at least partially closed cooking cavity ([A47J 37/0605](#) takes precedence; ~~barbecues A47J 37/07~~)}
- M A47J 37/07
  - Roasting devices for outdoor use; Barbecues ~~{{(field-cookers A47J 33/00, A47J 36/26)}~~
- M A47J 37/08
  - Bread-toasters ~~(electric heating elements H05B)~~
- M A47J 37/0857
  - {with bread supports or heating means movable during the toasting operation ~~(meat roasting A47J 37/04)}~~
- U A47J 37/12
  - Deep fat fryers, e.g. for frying fish or chips
- M A47J 37/1214
  - {the food being transported through an oil-bath ~~(for bakery products A21B 5/08)}~~
- U A47J 39/00**

**Heat-insulated warming chambers; Cupboards with heating arrangements for warming kitchen utensils**
- M A47J 39/02
  - Dish-warmers; Devices to keep food hot ~~{{(A47J 39/006 takes precedence)}~~
- M A47J 41/00**

**Thermally-insulated vessels, e.g. flasks, jugs, jars ~~(containers with thermal insulation in general B65D 81/38)~~**
- M A47J 42/00**

**Coffee mills; Spice mills ~~(as part of universal or multi-purpose machines A47J 43/04, A47J 44/00; grinding or pulverising in general B02C)~~**
- U A47J 42/38
  - Parts or details
- M A47J 42/48
  - Attachment of mills to tables, walls, or the like ~~(attachment of household machines in general to tables, walls, or the like A47J 45/02)~~
- M A47J 42/52
  - Coffee mills combined with roasting devices ~~{{(combinations of coffee mills with coffee-making machines A47J 31/42;)} coffee-roasting devices per se A23N 12/00}~~
- U A47J 43/00**

**Implements for preparing or holding food, not provided for in other groups of this subclass**

**WARNING**

Group [A47J 43/00](#) is impacted by reclassification into group [A47J 43/005](#).

Groups [A47J 43/00](#) and [A47J 43/005](#) should be considered in order to perform a complete search.

- M A47J 43/04
- Machines for domestic use not covered elsewhere, e.g. for grinding, mixing, stirring, kneading, emulsifying, whipping or beating foodstuffs, e.g. power-driven ~~(food straining implements A47J 19/00; devices for grating A47J 43/25; multi-purpose machines A47J 44/00)~~
- M A47J 43/042
- • Mechanically-driven liquid shakers ~~{{(hand-held shakers A47J 43/27)}}~~
- M A47J 43/12
- Whipping by introducing a stream of gas ~~{{(milk-foaming devices adapted to coffee-making machines A47J 31/4485, A47J 31/4489; aerating or deaerating milk A01J 11/04; making ice-cream A23G 9/20)}}~~
- M A47J 43/14
- Devices {or machines} for opening raw eggs or separating the contents thereof ~~{{(openers for boiled eggs A47G 19/28)}}~~
- M A47J 43/24
- Devices for washing vegetables or the like ~~}; Colanders (machines for washing potatoes, beets, apples on an industrial scale A23N 12/023; machines for washing grain B02B 1/04)}}~~
- M A47J 43/26
- Nutcrackers ~~(pliers B25B 7/00)~~
- M A47J 43/28
- Other culinary hand implements, e.g. spatulas, pincers, forks or like food holders, ladles, skimming ladles, cooking spoons; Spoon-holders attached to cooking pots ~~{{(measuring spoons for powders A61J, measuring flasks B01L 3/00); calibrated capacity measures for fluids or fluent solid material G01F 19/00; weighing spoons G01G 19/56)}~~
- U A47J 45/00**
- Devices for fastening or gripping kitchen utensils {or crockery}{kitchen cabinets with provisions for attachment of kitchen implements or utensils [A47B 77/00](#)}**
- M A47J 45/02
- for fastening kitchen utensils to tables, walls, or the like ~~(for household utensils A47G 29/087)~~
- M A47J 45/06
- Handles for hollow-ware articles ~~{{(handles for metallic holders B65D)}}~~
- M A47J 45/08
- • Heat-insulating handles ~~(of detachable type A47J 45/07)~~
- M A47J 45/10
- Devices for gripping or lifting hot cooking utensils, e.g. pincers, separate pot handles, fabric or like pads ~~(egg-grasping devices A47J 29/06; {plate-holders A47G 19/08})}~~
- M A47J 47/00**
- Miscellaneous kitchen ~~Kitchen~~ containers, stands, or the like, ~~not provided for in other groups of this subclass~~ ~~{{(bowls for food processors A47J 43/0727); containers in general B65D)}~~; Cutting-boards, e.g. for bread ~~{{(with slicing devices B26D bowls for food processors A47J 43/0727)}}~~**
- M A47J 47/01
- with dispensing devices ~~{{(for butter or the like A47J 9/00; for table use A47G 19/32)}}~~
- M A47J 47/02
- Closed containers for foodstuffs ~~{{(for table use A47G 19/30)}}~~
- M A47J 47/16
- Stands, or holders for kitchen articles ~~(racks A47B)~~

## Project: RP0740-F (A61B)

- U A61B 1/00**
- Instruments for performing medical examinations of the interior of cavities or tubes of the body by visual or photographic inspection, e.g. endoscopes (examination of body cavities or body tracts using ultrasonic, sonic or infrasonic waves [A61B 8/12](#); endoscopic instruments for taking cell samples or for biopsy [A61B 10/04](#); for surgical purposes [A61B 17/00](#); endoscopic surgical {cutting} instruments [A61B 17/32](#)); surgical instruments using a laser beam being directed along or through a flexible conduit [A61B 18/22](#)); Illuminating arrangements therefor (for the eyes [A61B 3/00](#))**
- U A61B 1/00002
- {Operational features of endoscopes}
- U A61B 1/00004
- • {characterised by electronic signal processing}

- M A61B 1/00009     • • • {of image signals during a use of endoscope}
- WARNING  
Group A61B 1/00009 is impacted by reclassification into groups A61B 1/000094, A61B 1/000095 and A61B 1/000096. All groups listed in this Warning should be considered in order to perform a complete search.
- M A61B 1/000094   • • • {extracting biological structures}
- WARNING  
Group A61B 1/000094 is incomplete pending reclassification of documents from group A61B 1/00009. Groups A61B 1/00009 and A61B 1/000094 should be considered in order to perform a complete search.
- M A61B 1/000095   • • • {for image enhancement}
- WARNING  
Group A61B 1/000095 is incomplete pending reclassification of documents from group A61B 1/00009. Groups A61B 1/00009 and A61B 1/000095 should be considered in order to perform a complete search.
- M A61B 1/000096   • • • {using artificial intelligence}
- WARNING  
Group A61B 1/000096 is incomplete pending reclassification of documents from group A61B 1/00009. Groups A61B 1/00009 and A61B 1/000096 should be considered in order to perform a complete search.
- M A61B 1/00039    • • {provided with input arrangements for the user}
- WARNING  
Group A61B 1/00039 is impacted by reclassification into groups A61B 1/0004 and A61B 1/00042. Groups A61B 1/00039, A61B 1/0004 and A61B 1/00042 should be considered in order to perform a complete search.
- M A61B 1/0004     • • • {for electronic operation}
- WARNING  
Group A61B 1/0004 is incomplete pending reclassification of documents from group A61B 1/00039. Groups A61B 1/00039 and A61B 1/0004 should be considered in order to perform a complete search.
- M A61B 1/00042    • • • {for mechanical operation}
- WARNING  
Group A61B 1/00042 is incomplete pending reclassification of documents from group A61B 1/00039. Groups A61B 1/00039 and A61B 1/00042 should be considered in order to perform a complete search.
- U A61B 1/00064     • {Constructional details of the endoscope body}
- U A61B 1/00071     • {Insertion part of the endoscope body ([A61B 1/0055](#) takes precedence)}

- M A61B 1/0008
- • • {characterised by distal tip features}
- WARNING  
Group A61B 1/0008 is impacted by reclassification into group A61B 1/00097.  
Groups A61B 1/0008 and A61B 1/00097 should be considered in order to perform a complete search.
- M A61B 1/00097
- • • {Sensors}
- WARNING  
Group A61B 1/00097 is incomplete pending reclassification of documents from group A61B 1/0008.  
Groups A61B 1/0008 and A61B 1/00097 should be considered in order to perform a complete search.
- M A61B 1/00147
- {Holding or positioning arrangements}
- WARNING  
Group A61B 1/00147 is impacted by reclassification into group A61B 1/00148.  
Groups A61B 1/00147 and A61B 1/00148 should be considered in order to perform a complete search.
- M A61B 1/00148
- • {using anchoring means}
- WARNING  
Group A61B 1/00148 is incomplete pending reclassification of documents from group A61B 1/00147.  
Groups A61B 1/00147 and A61B 1/00148 should be considered in order to perform a complete search.
- M A61B 1/00163
- {Optical arrangements ([A61B 1/002](#), [A61B 1/006](#) take precedence)}
- WARNING  
Group A61B 1/00163 is impacted by reclassification into group A61B 1/00194.  
Groups A61B 1/00163 and A61B 1/00194 should be considered in order to perform a complete search.
- M A61B 1/00194
- • {adapted for three-dimensional imaging}
- WARNING  
Group A61B 1/00194 is incomplete pending reclassification of documents from group A61B 1/00163.  
Groups A61B 1/00163 and A61B 1/00194 should be considered in order to perform a complete search.
- M A61B 1/005
- Flexible endoscopes
- WARNING  
Group A61B 1/005 is impacted by reclassification into group A61B 1/009.  
Groups A61B 1/005 and A61B 1/009 should be considered in order to perform a complete search.
- M A61B 1/009
- • {with bending or curvature detection of the insertion part}
- WARNING  
Group A61B 1/009 is incomplete pending reclassification of documents from group A61B 1/005.  
Groups A61B 1/005 and A61B 1/009 should be considered in order to perform a complete search.

- M A61B 1/04
- combined with photographic or television appliances
- WARNING  
Group A61B 1/04 is impacted by reclassification into groups A61B 1/044 and A61B 1/046.  
Groups A61B 1/04, A61B 1/044 and A61B 1/046 should be considered in order to perform a complete search.
- M A61B 1/044
- {for absorption imaging}
- WARNING  
Group A61B 1/044 is incomplete pending reclassification of documents from group A61B 1/04.  
Groups A61B 1/04 and A61B 1/044 should be considered in order to perform a complete search.
- M A61B 1/046
- {for infrared imaging}
- WARNING  
Group A61B 1/046 is incomplete pending reclassification of documents from group A61B 1/04.  
Groups A61B 1/04 and A61B 1/046 should be considered in order to perform a complete search.
- M A61B 1/06
- with illuminating arrangements
- WARNING  
Group A61B 1/06 is impacted by reclassification into groups A61B 1/0605, A61B 1/0625, A61B 1/0627 and A61B 1/0655.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A61B 1/0605
- {for spatially modulated illumination}
- WARNING  
Group A61B 1/0605 is incomplete pending reclassification of documents from group A61B 1/06.  
Groups A61B 1/06 and A61B 1/0605 should be considered in order to perform a complete search.
- M A61B 1/0625
- {for multiple fixed illumination angles}
- WARNING  
Group A61B 1/0625 is incomplete pending reclassification of documents from group A61B 1/06.  
Groups A61B 1/06 and A61B 1/0625 should be considered in order to perform a complete search.
- M A61B 1/0627
- {for variable illumination angles}
- WARNING  
Group A61B 1/0627 is incomplete pending reclassification of documents from group A61B 1/06.  
Groups A61B 1/06 and A61B 1/0627 should be considered in order to perform a complete search.
- M A61B 1/0655
- {Control therefor}
- WARNING  
Group A61B 1/0655 is incomplete pending reclassification of documents from group A61B 1/06.

~~Groups A61B 1/06 and A61B 1/0655 should be considered in order to perform a complete search.~~

**Project: RP0327-F (A61B)**

- U A61B 17/00** **Surgical instruments, devices or methods, e.g. tourniquets ([A61B 18/00](#) takes precedence; contraceptive devices, pessaries, or applicators therefor [A61F 6/00](#); eye surgery [A61F 9/007](#); ear surgery [A61F 11/00](#))**
- M A61B 17/32**
  - Surgical cutting instruments {([A61B 18/042](#) takes precedence; suture cutters [A61B 17/0467](#); instruments for ligaturing or cutting [A61B 17/128](#); instruments for rupturing the amniotic membrane [A61B 17/4208](#); specially adapted knives for eye surgery [A61F 9/0133](#))}

**WARNING**

~~Groups A61B 17/32, A61B 17/320016, A61B 17/32002, A61B 17/320036, A61B 17/320068, A61B 17/320092, A61B 17/3201, A61B 17/3203, A61B 17/32037, A61B 17/3205, A61B 17/32053, A61B 17/32056, A61B 17/3207, A61B 17/320708, A61B 17/320725, A61B 17/32075, A61B 17/320758 and A61B 17/320783 are incomplete pending reclassification of documents from groups A61M 1/84, A61M 1/842, A61M 1/85 and A61M 1/86.~~

~~All groups listed in this Warning should be considered in order to perform a complete search.~~

**Project: RP11675 (A61K)**

- M A61K 31/00** **Medicinal preparations containing organic active ingredients**

**NOTES**

1. {When classifying in groups [A61K 31/00](#) - [A61K 41/00](#) the symbol [A61K 2300/00](#) may be added, using Combination Sets, to indicate a mixture of active ingredients.-}

2. {In the preparation of new organic compounds and their use in medicinal preparations, classification is only made in the relevant subclasses [C07C](#) - [C07J](#) according to the type of compound. However, the inventions dealing with medicinal preparations containing at least two active organic ingredients are always classified in this group in addition to the classification for the type of compounds in [C07C](#) - [C07J](#).-}

3. {Attention is drawn to the notes in class [C07](#), particularly to the definition of steroids given in Note (1) following the title of [C07J](#) and to the definition of carbohydrates and sugars given in the notes following the title of [C07H](#).-}

~~4. Salts and complexes of organic active compounds are always classified according to the free active compounds. If a complex is formed between two or more active compounds, then they are classified according to all compounds forming the salts or complexes followed by the symbol A61K 2300/00 (i.e. as a mixture of active organic compounds).-~~ {According to the last place rule, organic active compounds forming salts with heavy metals should be classified in [A61K 33/24](#) - [A61K 33/38](#) and not in subgroups [A61K 31/28](#) - [A61K 31/32](#), [A61K 31/555](#) or [A61K 31/714](#).

This does not apply to complexes, as apparent from the [A61K 31/00](#) scheme, wherein the complexes hemin and hematin are classified in [A61K 31/555](#) and cyanocobalamin in [A61K 31/714](#). *If a complex is formed between two or more active compounds, then they are classified according to all compounds forming*

*the complexes followed by the symbol A61K 2300/00 (i.e. as a mixture of active organic compounds).}*

*5. From January 2003 onwards, the EPO copies into CPC the IPC classification of the first document received (family representative). However, blends of active ingredients receive the additional symbol A61K 2300/00 as Combination Set.*

- U A61K 31/045      • Hydroxy compounds, e.g. alcohols; Salts thereof, e.g. alcoholates
- C A61K 31/05      • • Phenols *{{cannabinoids A61K 31/658}}*
- WARNING  
*Group A61K 31/05 is impacted by reclassification into group A61K 31/658. All groups listed in this Warning should be considered in order to perform a complete search.*
- M A61K 31/185      • Acids; Anhydrides, halides or salts thereof, e.g. sulfur acids, imidic, hydrazonic; *or* hydroximic acids (hydroxamic acids [A61K 31/16](#); peroxy acids [A61K 31/327](#))
- NOTE  
Cyclic anhydrides are considered to be heterocyclic rings
- U A61K 31/19      • • Carboxylic acids, e.g. valproic acid (salicylic acid [A61K 31/60](#))
- C A61K 31/192      • • • having aromatic groups, e.g. sulindac, 2-*arylpropionicaryl-propionic* acids, ethacrynic acid *{{cannabinoids A61K 31/658}}*
- WARNING  
*Group A61K 31/192 is impacted by reclassification into group A61K 31/658. All groups listed in this Warning should be considered in order to perform a complete search.*
- U A61K 31/33      • Heterocyclic compounds
- U A61K 31/335      • • having oxygen as the only ring hetero atom, e.g. fungichromin
- U A61K 31/35      • • • having six-membered rings with one oxygen as the only ring hetero atom
- C A61K 31/352      • • • • condensed with carbocyclic rings, e.g. *cannabinols, methantheine* *methantheine* *{{cannabinoids A61K 31/658}}*
- WARNING  
*Group A61K 31/352 is impacted by reclassification into group A61K 31/658. All groups listed in this Warning should be considered in order to perform a complete search.*
- U A61K 31/655      • Azo ( $\text{—N=N—}$ ), diazo ( $\text{=N}_2$ ), azoxy ( $\text{>N—O—N<}$  or  $\text{N(=O)—N<}$ ), azido ( $\text{—N}_3$ ) or diazoamino ( $\text{—N=N—N<}$ ) compounds
- N A61K 31/658      • *{o-phenolic cannabinoids, e.g. cannabidiol, cannabigerolic acid, cannabichromene or tetrahydrocannabinol}*
- WARNING  
*Group A61K 31/658 is incomplete pending reclassification of documents from groups [A61K 31/05](#), [A61K 31/192](#) and [A61K 31/352](#). All groups listed in this Warning should be considered in order to perform a complete search.*

## Project: RP10429 (A61K)

- U A61K 35/00 Medicinal preparations containing materials or reaction products thereof with undetermined constitution**
- NOTES**
1. In this group, classification is made for each active component or material. For each active component or material, classification is then made in the last appropriate place.
  2. When classifying in this group, classification is also made in group [B01D 15/08](#) insofar as subject matter of general interest relating to chromatography is concerned.
- U A61K 35/12**
- Materials from mammals; Compositions comprising non-specified tissues or cells; Compositions comprising non-embryonic stem cells; Genetically modified cells (vaccines or medicinal preparations containing antigens or antibodies [A61K 39/00](#))
- NOTE**
- If the cells are characterised, classification is made in the group covering the corresponding tissue or tissue of origin.
- U A61K 35/14**
- • Blood; Artificial blood (perfluorocarbons [A61K 31/02](#); umbilical cord blood [A61K 35/51](#); haemoglobin [A61K 38/42](#))
- C A61K 35/15**
- • • Cells of the myeloid line, e.g. granulocytes, basophils, eosinophils, neutrophils, leucocytes, monocytes, macrophages or mast cells; Myeloid precursor cells; Antigen-presenting cells, e.g. dendritic cells (presenting a specific antigen [A61K 39/00](#); therapeutic combinations of antibodies, or fragments thereof, and blood-derived cells [A61K 39/00](#))
- WARNING**
- Group A61K 35/15 is impacted by reclassification into groups [A61K 39/46](#) - [A61K 39/46484](#), [A61K 2239/00](#) - [A61K 2239/59](#). All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 35/17**
- • • Lymphocytes; B-cells; T-cells; Natural killer cells; Interferon-activated or cytokine-activated lymphocytes (when activated by a specific antigen [A61K 39/00](#))
- WARNING**
- Group A61K 35/17 is impacted by reclassification into groups [A61K 39/46](#) - [A61K 39/46484](#), [A61K 2239/00](#) - [A61K 2239/59](#). All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/00 Medicinal preparations containing antigens or antibodies (materials for immunoassay [G01N 33/53](#))**
- NOTES**
1. Groups [A61K 39/002](#) - [A61K 39/295](#) cover preparations containing protozoa, bacteria, viruses, or subunits thereof, e.g. membrane parts.
  2. Preparation of antigen or antibody compositions is also classified in subclass [C12N](#), if the step of cultivating the microorganism is of interest.
  3. Documents relating to new peptides, e.g. enzymes, or new DNA or RNA encoding for peptides and their use in medicinal preparations are classified in subclass [C07K](#) or in group [C12N 9/00](#) according to the peptides, with the appropriate indexing codes relating to their medical uses.
  4. Documents relating to antibodies or DNA or RNA encoding for antibodies and their use in medicinal preparations are classified in group [C07K 16/00](#) or in group

[C12N 9/0002](#) according to the antibodies, with the appropriate indexing codes relating to their medical uses.

5. Documents relating to new therapeutical uses of antibodies or DNA or RNA encoding for antibodies are classified in group [C07K 16/00](#) or in group [C12N 9/0002](#) according to the antibodies, with the appropriate indexing codes relating to their medical uses.

6. Documents relating to medicinal preparations containing different antibodies as active ingredients are classified in group [C07K 16/00](#) according to the different active antibodies, with the appropriate indexing codes relating to their medical uses. However, documents relating to medicinal preparations containing antibodies and other compounds as active ingredients are classified in groups [A61K 39/395](#) - [A61K 39/42](#), in association with symbol [A61K 2300/00](#) in Combination Sets.

**WARNING**

*Group [A61K 39/00](#) is impacted by reclassification into group [A61K 39/46](#). Groups [A61K 39/00](#) and [A61K 39/46](#) should be considered in order to perform a complete search.*

- U A61K 39/0005     • {Vertebrate antigens (from snakes [A61K 39/38](#))}
- C A61K 39/0011     • • {Cancer antigens}

**WARNING**

*Group [A61K 39/0011](#) is impacted by reclassification into groups [A61K 39/46](#) - [A61K 39/4637](#), [A61K 39/4644](#), [A61K 39/464401](#), [A61K 39/464499](#) and [A61K 2239/00](#) - [A61K 2239/59](#). All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001102   • • • {Receptors, cell surface antigens or cell surface determinants}

**WARNING**

*Group [A61K 39/001102](#) is impacted by reclassification into groups [A61K 39/46](#) - [A61K 39/4637](#), [A61K 39/464401](#), [A61K 39/464402](#) and [A61K 2239/00](#) - [A61K 2239/59](#). All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001103   • • • • {Receptors for growth factors}

**WARNING**

*Group [A61K 39/001103](#) is impacted by reclassification into groups [A61K 39/46](#) - [A61K 39/4637](#), [A61K 39/464401](#), [A61K 39/464403](#) and [A61K 2239/00](#) - [A61K 2239/59](#). All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001104   • • • • • {Epidermal growth factor receptors [EGFR]}

**WARNING**

*Group [A61K 39/001104](#) is impacted by reclassification into groups [A61K 39/46](#) - [A61K 39/4637](#), [A61K 39/464401](#), [A61K 39/464404](#) and [A61K 2239/00](#) - [A61K 2239/59](#). All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001106 . . . . {Her-2/neu/ErbB2, Her-3/ErbB3; *or* Her 4/ErbB4}
- WARNING  
*Group A61K 39/001106 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464406 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/001107 . . . . {Fibroblast growth factor receptors [FGFR]}
- WARNING  
*Group A61K 39/001107 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464407 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/001108 . . . . {Platelet-derived growth factor receptors [PDGFR]}
- WARNING  
*Group A61K 39/001108 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464408 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/001109 . . . . {~~V~~ascular endothelial growth factor receptors [VEGFR]}
- WARNING  
*Group A61K 39/001109 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464409 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/00111 . . . . {Hepatocyte growth factor receptor [HGFR or c-met]}
- WARNING  
*Group A61K 39/00111 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/46441 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/001111 . . . . {Immunoglobulin superfamily}
- WARNING  
*Group A61K 39/001111 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464411 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/001112 . . . . {CD19; *or* B4}
- WARNING  
*Group A61K 39/001112 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464412 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001113 . . . . {CD22, BL-CAM, siglec-2; *or* sialic acid- binding Ig-related lectin 2}
- WARNING  
*Group A61K 39/001113 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464413 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/001114 . . . . {CD74, li, MHC class II invariant chain; *or* MHC class II gamma chain}
- WARNING  
*Group A61K 39/001114 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464414 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/001116 . . . . {Receptors for cytokines}
- WARNING  
*Group A61K 39/001116 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464416 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/001117 . . . . {Receptors for tumor necrosis factors [TNF], e.g. lymphotoxin receptor [LTR]; *or* CD30}
- WARNING  
*Group A61K 39/001117 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464417 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/001118 . . . . {Receptors for colony stimulating factors [CSF]}
- WARNING  
*Group A61K 39/001118 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464418 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/001119 . . . . {Receptors for interleukins [IL]}
- WARNING  
*Group A61K 39/001119 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464419 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/00112 . . . . {Receptors for interferons [IFN]}
- WARNING  
*Group A61K 39/00112 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/46442 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001121 . . . . {Receptors for chemokines}

**WARNING**

*Group A61K 39/001121 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464421 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001122 . . . . {Ephrin Receptors [Eph]}

**WARNING**

*Group A61K 39/001122 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464422 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001124 . . . . {CD20}

**WARNING**

*Group A61K 39/001124 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464424, A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001126 . . . . {CD38 not IgG}

**WARNING**

*Group A61K 39/001126 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464426, A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001128 . . . . {CD44 not IgG}

**WARNING**

*Group A61K 39/001128 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464428, A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001129 . . . . {Molecules with a "CD" designation not provided for elsewhere}

**WARNING**

*Group A61K 39/001129 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464429, A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/00113 . . . {Growth factors}

**WARNING**

*Group A61K 39/00113 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/46443, A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001131 . . . {Epidermal growth factor [EGF]}

**WARNING**

*Group A61K 39/001131 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464431, A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001132 . . . {Fibroblast growth factors [FGF]}

**WARNING**

*Group A61K 39/001132 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464432, A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001133 . . . {Platelet-derived growth factor [PDGF]}

**WARNING**

*Group A61K 39/001133 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464433 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001134 . . . {Transforming growth factor [TGF]}

**WARNING**

*Group A61K 39/001134 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464434 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001135 . . . {Vascular endothelial growth factor [VEGF]}

**WARNING**

*Group A61K 39/001135 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464435 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001136 . . . {Cytokines}

**WARNING**

*Group A61K 39/001136 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464436 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001138 . . . {Tumor necrosis factors [TNF]; or CD70}

**WARNING**

*Group A61K 39/001138 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464438 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001139 . . . {Colony stimulating factors [CSF]}

**WARNING**

*Group A61K 39/001139 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464439 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/00114 . . . {Interleukins [IL]}

**WARNING**

*Group A61K 39/00114 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/46444 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001141 . . . {Interferons [IFN]}

**WARNING**

*Group A61K 39/001141 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464441 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001142 . . . {Chemokines}

**WARNING**

*Group A61K 39/001142 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464442 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001144 . . . {Hormones, e.g. calcitonin}

**WARNING**

*Group A61K 39/001144 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464444 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001148 . . . {Regulators of development}

**WARNING**

*Group A61K 39/001148 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464448 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001149 . . . {Cell cycle regulated proteins, e.g. cyclin, CDC, CDK, or INK-CCR}

**WARNING**

*Group A61K 39/001149 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464449 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001115 . . . {Apoptosis related proteins, e.g. survivin; or livin}

**WARNING**

*Group A61K 39/001115 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/46445, A61K 2239/00 - A61K 2239/10 and A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001151 . . . . {p53}

**WARNING**

*Group A61K 39/001151 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464451 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001152 . . . {Transcription factors, e.g. SOX; or c-MYC}

**WARNING**

*Group A61K 39/001152 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464452 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001153 . . . . {Wilms tumor 1 [WT1]}

**WARNING**

*Group A61K 39/001153 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464453 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001154 . . . {Enzymes}

**WARNING**

*Group A61K 39/001154 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464454 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001156 . . . . {Tyrosinase and tyrosinase related proteinases [TRP-1; or TRP-2]}

**WARNING**

*Group A61K 39/001156 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464456 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001157 . . . . {Telomerase; or TERT [telomerase reverse transcriptase]}

**WARNING**

*Group A61K 39/001157 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464457 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001158 . . . . {Proteinases}

**WARNING**

*Group A61K 39/001158 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464458 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001159 . . . . {Matrix metalloproteinases [MMP]}

**WARNING**

*Group A61K 39/001159 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464459 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/00116 . . . . {Serine proteases, e.g. kallikrein}

**WARNING**

*Group A61K 39/00116 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/46446 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001161 . . . . {Caspases}

**WARNING**

*Group A61K 39/001161 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464461 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001162 . . . . {Kinases, e.g. Raf; or Src}

**WARNING**

*Group A61K 39/001162 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464462 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001163 . . . . {Phosphatases}

**WARNING**

*Group A61K 39/001163 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464463 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001164 . . . . {GTPases, e.g. Ras; or Rho}

**WARNING**

*Group A61K 39/001164 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464464 and A61K 2239/00 - A61K 2239/59.*

All groups listed in this Warning should be considered in order to perform a complete search.

- C A61K 39/001166 . . . {Adhesion molecules, e.g. NRCAM, EpCAM; or cadherins}

**WARNING**

Group A61K 39/001166 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464466 and A61K 2239/00 - A61K 2239/59.

All groups listed in this Warning should be considered in order to perform a complete search.

- C A61K 39/001168 . . . {Mesothelin [MSLN]}

**WARNING**

Group A61K 39/001168 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464468 and A61K 2239/00 - A61K 2239/59.

All groups listed in this Warning should be considered in order to perform a complete search.

- C A61K 39/001169 . . . {Tumor associated carbohydrates}

**WARNING**

Group A61K 39/001169 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464469 and A61K 2239/00 - A61K 2239/59.

All groups listed in this Warning should be considered in order to perform a complete search.

- C A61K 39/00117 . . . {Mucins, e.g. MUC-1}

**WARNING**

Group A61K 39/00117 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/46447 and A61K 2239/00 - A61K 2239/59.

All groups listed in this Warning should be considered in order to perform a complete search.

- C A61K 39/001171 . . . {Gangliosides, e.g. GM2, GD2; or GD3}

**WARNING**

Group A61K 39/001171 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464471 and A61K 2239/00 - A61K 2239/59.

All groups listed in this Warning should be considered in order to perform a complete search.

- C A61K 39/001172 . . . {sialyl-Sialyl-Thomson-nouvelle antigen [sTNsTn]}

**WARNING**

Group A61K 39/001172 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464472 and A61K 2239/00 - A61K 2239/59.

All groups listed in this Warning should be considered in order to perform a complete search.

- C A61K 39/001173 . . . {Globo-H}

**WARNING**

Group A61K 39/001173 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464473 and A61K 2239/00 - A61K 2239/59.

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001174 . . . {Proteoglycans, e.g. glypican, brevican; or CSPG4}

**WARNING**

*Group A61K 39/001174 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464474 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001176 . . . {Heat shock proteins}

**WARNING**

*Group A61K 39/001176 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464476 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001178 . . . {Tumor rejection antigen precursor [TRAP]}

**WARNING**

*Group A61K 39/001178 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464478 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/00118 . . . {from embryonic or fetal origin}

**WARNING**

*Group A61K 39/00118 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/46448 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001181 . . . {Alpha-feto protein}

**WARNING**

*Group A61K 39/001181 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464481 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001182 . . . {Carcinoembryonic antigen [CEA]}

**WARNING**

*Group A61K 39/001182 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464482 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001184 . . . {Cancer testis antigens, e.g. SSX, BAGE, GAGE; or SAGE}

**WARNING**

*Group A61K 39/001184 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464484 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001186 . . . . {MAGE}

**WARNING**

*Group A61K 39/001186 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464486 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001188 . . . . {NY-ESO}

**WARNING**

*Group A61K 39/001188 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464488 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001189 . . . . {PRAME}

**WARNING**

*Group A61K 39/001189 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464489 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/00119 . . . {Melanoma antigens}

**WARNING**

*Group A61K 39/00119 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/46449 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001191 . . . . {Melan-A/MART}

**WARNING**

*Group A61K 39/001191 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464491 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

C A61K 39/001192 . . . . {Glycoprotein 100 [Gp100]}

**WARNING**

*Group A61K 39/001192 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464492 and A61K 2239/00 - A61K 2239/59.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C A61K 39/001193 . . . {Prostate associated antigens e.g. Prostate stem cell antigen [PSCA]; Prostate carcinoma tumor antigen [PCTA]; PAP; *or* PSGR}
- WARNING**  
*Group A61K 39/001193 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464493 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/001194 . . . {Prostate specific antigen [PSA]}
- WARNING**  
*Group A61K 39/001194 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464494 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/001195 . . . {Prostate specific membrane antigen [PSMA]}
- WARNING**  
*Group A61K 39/001195 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464495 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/001196 . . . {Fusion proteins originating from gene translocation in cancer cells}
- WARNING**  
*Group A61K 39/001196 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464496 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/001197 . . . {Breakpoint cluster region-abelson tyrosine kinase [BCR-ABL]}
- WARNING**  
*Group A61K 39/001197 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464497 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- C A61K 39/001198 . . . {Pml-RARalpha}
- WARNING**  
*Group A61K 39/001198 is impacted by reclassification into groups A61K 39/46 - A61K 39/4637, A61K 39/464401, A61K 39/464498 and A61K 2239/00 - A61K 2239/59. All groups listed in this Warning should be considered in order to perform a complete search.*
- U A61K 39/395 . Antibodies (agglutinins [A61K 38/36](#) {; as drug carriers [A61K 47/50](#)}); Immunoglobulins; Immune serum, e.g. antilymphocytic serum
- U A61K 39/44 . . Antibodies bound to carriers

- N A61K 39/46
- {Cellular immunotherapy}
- NOTE  
*{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [A61K 39/46](#).}*
- WARNING  
*Group [A61K 39/46](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/00](#) - [A61K 39/001198](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#). All groups listed in this Warning should be considered in order to perform a complete search.*
- N A61K 39/461
- • {characterised by the cell type used}
- WARNING  
*Groups [A61K 39/461](#) - [A61K 39/4615](#) are incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/0011](#) - [A61K 39/001198](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#). All groups listed in this Warning should be considered in order to perform a complete search.*
- N A61K 39/4611
- • • {T-cells, e.g. tumor infiltrating lymphocytes [TIL], lymphokine-activated killer cells [LAK] or regulatory T cells [Treg]}
- N A61K 39/4612
- • • {B-cells}
- N A61K 39/4613
- • • {Natural-killer cells [NK or NK-T]}
- N A61K 39/4614
- • • {Monocytes; Macrophages}
- N A61K 39/4615
- • • {Dendritic cells}
- N A61K 39/462
- • {characterized by the effect or the function of the cells}
- WARNING  
*Groups [A61K 39/462](#), [A61K 39/4621](#), and [A61K 39/4622](#) are incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/0011](#) - [A61K 39/001198](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#). All groups listed in this Warning should be considered in order to perform a complete search.*
- N A61K 39/4621
- • • {immunosuppressive or immunotolerising}
- N A61K 39/4622
- • • {Antigen presenting cells}
- N A61K 39/463
- • {characterised by recombinant expression}
- WARNING  
*Groups [A61K 39/463](#) - [A61K 39/4637](#) are incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/0011](#) - [A61K 39/001198](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#). All groups listed in this Warning should be considered in order to perform a complete search.*
- N A61K 39/4631
- • • {Chimeric Antigen Receptors [CAR]}

- N A61K 39/4632 . . . {T-cell receptors [TCR]; antibody T-cell receptor constructs}
- N A61K 39/4633 . . . {Antibodies or T cell engagers}
- N A61K 39/4634 . . . {Antigenic peptides; polypeptides}
- N A61K 39/4635 . . . {Cytokines}
- N A61K 39/4636 . . . {Immune checkpoint inhibitors}
- N A61K 39/4637 . . . {Other peptides or polypeptides}
- N A61K 39/464 . . . {characterised by the antigen targeted or presented}

**WARNING**

Groups [A61K 39/464](#) - [A61K 39/46484](#) are incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- N A61K 39/4641 . . . {Fungal antigens, e.g. Trichophyton, Aspergillus or Candida}
- N A61K 39/4642 . . . {Invertebrate antigens}
- N A61K 39/4643 . . . {Vertebrate antigens}
- N A61K 39/46431 . . . . {Contraceptive or sex hormones}
- N A61K 39/46432 . . . . {Nervous system antigens}
- N A61K 39/46433 . . . . {Antigens related to auto-immune diseases; Preparations to induce self-tolerance}
- N A61K 39/46434 . . . . {Antigens related to induction of tolerance to non-self}
- N A61K 39/4644 . . . . {Cancer antigens}

**WARNING**

Groups [A61K 39/4644](#) and [A61K 39/464499](#) are incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/0011](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- N A61K 39/464401 . . . . {Neoantigens}

**WARNING**

Group [A61K 39/464401](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/0011](#) - [A61K 39/001198](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- N A61K 39/464402 . . . . {Receptors, cell surface antigens or cell surface determinants}

**WARNING**

Group [A61K 39/464402](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001102](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#),

[C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464403 . . . . . {Receptors for growth factors}

**WARNING**

Group [A61K 39/464403](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001103](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464404 . . . . . {Epidermal growth factor receptors [EGFR]}

**WARNING**

Group [A61K 39/464404](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001104](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464406 . . . . . {Her-2/neu/ErbB2, Her-3/ErbB3 or Her 4/ ErbB4}

**WARNING**

Group [A61K 39/464406](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001106](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464407 . . . . . {Fibroblast growth factor receptors [FGFR]}

**WARNING**

Group [A61K 39/464407](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001107](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464408 . . . . . {Platelet-derived growth factor receptors [PDGFR]}

**WARNING**

Group [A61K 39/464408](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001108](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- N A61K 39/464409 . . . . . {Vascular endothelial growth factor receptors [VEGFR]}  
**WARNING**  
Group [A61K 39/464409](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001109](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- N A61K 39/46441 . . . . . {Hepatocyte growth factor receptor [HGFR or c-met]}  
**WARNING**  
Group [A61K 39/46441](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/00111](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- N A61K 39/464411 . . . . . {Immunoglobulin superfamily}  
**WARNING**  
Group [A61K 39/464411](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001111](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- N A61K 39/464412 . . . . . {CD19 or B4}  
**WARNING**  
Group [A61K 39/464412](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001112](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- N A61K 39/464413 . . . . . {CD22, BL-CAM, siglec-2 or sialic acid binding Ig-related lectin 2}  
**WARNING**  
Group [A61K 39/464413](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001113](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- N A61K 39/464414 . . . . . {CD74, Ii, MHC class II invariant chain or MHC class II gamma chain}  

**WARNING**  
Group [A61K 39/464414](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001114](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- N A61K 39/464416 . . . . . {Receptors for cytokines}  

**WARNING**  
Group [A61K 39/464416](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001116](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- N A61K 39/464417 . . . . . {Receptors for tumor necrosis factors [TNF], e.g. lymphotoxin receptor [LTR], CD30}  

**WARNING**  
Group [A61K 39/464417](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001117](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- N A61K 39/464418 . . . . . {Receptors for colony stimulating factors [CSF]}  

**WARNING**  
Group [A61K 39/464418](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001118](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- N A61K 39/464419 . . . . . {Receptors for interleukins [IL]}  

**WARNING**  
Group [A61K 39/464419](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001119](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

*All groups listed in this Warning should be considered in order to perform a complete search.*

N A61K 39/46442 . . . . . {Receptors for interferons [IFN]}

**WARNING**

Group [A61K 39/46442](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/00112](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

*All groups listed in this Warning should be considered in order to perform a complete search.*

N A61K 39/464421 . . . . . {Receptors for chemokines}

**WARNING**

Group [A61K 39/464421](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001121](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

*All groups listed in this Warning should be considered in order to perform a complete search.*

N A61K 39/464422 . . . . . {Ephrin Receptors [Eph]}

**WARNING**

Group [A61K 39/464422](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001122](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

*All groups listed in this Warning should be considered in order to perform a complete search.*

N A61K 39/464424 . . . . . {CD20}

**WARNING**

Group [A61K 39/464424](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001124](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

*All groups listed in this Warning should be considered in order to perform a complete search.*

N A61K 39/464426 . . . . . {CD38 not IgG}

**WARNING**

Group [A61K 39/464426](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001126](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

*All groups listed in this Warning should be considered in order to perform a complete search.*

- N A61K 39/464428 . . . . . {CD44 not IgG}  
WARNING  
Group [A61K 39/464428](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001128](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
*All groups listed in this Warning should be considered in order to perform a complete search.*
  
- N A61K 39/464429 . . . . . {Molecules with a "CD" designation not provided for elsewhere}  
WARNING  
Group [A61K 39/464429](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001129](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
*All groups listed in this Warning should be considered in order to perform a complete search.*
  
- N A61K 39/46443 . . . . . {Growth factors}  
WARNING  
Group [A61K 39/46443](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/00113](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
*All groups listed in this Warning should be considered in order to perform a complete search.*
  
- N A61K 39/464431 . . . . . {Epidermal growth factor [EGF]}  
WARNING  
Group [A61K 39/464431](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001131](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
*All groups listed in this Warning should be considered in order to perform a complete search.*
  
- N A61K 39/464432 . . . . . {Fibroblast growth factors [FGF]}  
WARNING  
Group [A61K 39/464432](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001132](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464433 . . . . . {Platelet-derived growth factor [PDGF]}

WARNING

Group [A61K 39/464433](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001133](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464434 . . . . . {Transforming growth factor [TGF]}

WARNING

Group [A61K 39/464434](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001134](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464435 . . . . . {Vascular endothelial growth factor [VEGF]}

WARNING

Group [A61K 39/464435](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001135](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464436 . . . . . {Cytokines}

WARNING

Group [A61K 39/464436](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001136](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464438 . . . . . {Tumor necrosis factors [TNF], CD70}

WARNING

Group [A61K 39/464438](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001138](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464439 . . . . . {Colony stimulating factors [CSF]}

WARNING

Group [A61K 39/464439](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001139](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/46444 . . . . . {Interleukins [IL]}

WARNING

Group [A61K 39/46444](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/00114](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464441 . . . . . {Interferons [IFN]}

WARNING

Group [A61K 39/464441](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001141](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464442 . . . . . {Chemokines}

WARNING

Group [A61K 39/464442](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001142](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464444 . . . . . {Hormones, e.g. calcitonin}

WARNING

Group [A61K 39/464444](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001144](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464448 . . . . . {Regulators of development}

WARNING

Group [A61K 39/464448](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001148](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464449 . . . . . {Cell cycle regulated proteins, e.g. cyclin, CDC, CDK or INK-CCR}

WARNING

Group [A61K 39/464449](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001149](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/46445 . . . . . {Apoptosis related proteins, e.g. survivin or livin}

WARNING

Group [A61K 39/46445](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/00115](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464451 . . . . . {p53}

WARNING

Group [A61K 39/464451](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001151](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464452 . . . . . {Transcription factors, e.g. SOX or c-MYC}

WARNING

Group [A61K 39/464452](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001152](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464453 . . . . . {Wilms tumor 1 [WT1]}

WARNING

Group [A61K 39/464453](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001153](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464454 . . . . . {Enzymes}

WARNING

Group [A61K 39/464454](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001154](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464456 . . . . . {Tyrosinase or tyrosinase related proteinases [TRP-1 or TRP-2]}

WARNING

Group [A61K 39/464456](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001156](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464457 . . . . . {Telomerase or [telomerase reverse transcriptase [TERT]]}

WARNING

Group [A61K 39/464457](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001157](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464458 . . . . . {Proteinases}

WARNING

Group [A61K 39/464458](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001158](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- N A61K 39/464459 . . . . . {Matrix metalloproteinases [MMP]}
- WARNING**  
Group [A61K 39/464459](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001159](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N A61K 39/46446 . . . . . {Serine proteases, e.g. kallikrein}
- WARNING**  
Group [A61K 39/46446](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/00116](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N A61K 39/464461 . . . . . {Caspases}
- WARNING**  
Group [A61K 39/464461](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001161](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N A61K 39/464462 . . . . . {Kinases, e.g. Raf or Src}
- WARNING**  
Group [A61K 39/464462](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001162](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N A61K 39/464463 . . . . . {Phosphatases}
- WARNING**  
Group [A61K 39/464463](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001163](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464464 . . . . . {GTPases, e.g. Ras or Rho}

WARNING

Group [A61K 39/464464](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001164](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464466 . . . . . {Adhesion molecules, e.g. NRCAM, EpCAM or cadherins}

WARNING

Group [A61K 39/464466](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001166](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464468 . . . . . {Mesothelin [MSLN]}

WARNING

Group [A61K 39/464468](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001168](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464469 . . . . . {Tumor associated carbohydrates}

WARNING

Group [A61K 39/464469](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001169](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/46447 . . . . . {Mucins, e.g. MUC-1}

WARNING

Group [A61K 39/46447](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/00117](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464471 . . . . . {Gangliosides, e.g. GM2, GD2 or GD3}

WARNING

Group [A61K 39/464471](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001171](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464472 . . . . . {Sialyl-Thomson-nouvelle antigen [sTn]}

WARNING

Group [A61K 39/464472](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001172](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464473 . . . . . {Globo-H}

WARNING

Group [A61K 39/464473](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001173](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464474 . . . . . {Proteoglycans, e.g. glypican, brevican or CSPG4}

WARNING

Group [A61K 39/464474](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001174](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N A61K 39/464476 . . . . . {Heat shock proteins}

WARNING

Group [A61K 39/464476](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001176](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

*All groups listed in this Warning should be considered in order to perform a complete search.*

- N A61K 39/464478 . . . . . {Tumor rejection antigen precursor [TRAP]}
- WARNING  
Group [A61K 39/464478](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001178](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
*All groups listed in this Warning should be considered in order to perform a complete search.*
- N A61K 39/46448 . . . . . {from embryonic or fetal origin}
- WARNING  
Group [A61K 39/46448](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/00118](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
*All groups listed in this Warning should be considered in order to perform a complete search.*
- N A61K 39/464481 . . . . . {Alpha-feto protein}
- WARNING  
Group [A61K 39/464481](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001181](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
*All groups listed in this Warning should be considered in order to perform a complete search.*
- N A61K 39/464482 . . . . . {Carcinoembryonic antigen [CEA]}
- WARNING  
Group [A61K 39/464482](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001182](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
*All groups listed in this Warning should be considered in order to perform a complete search.*
- N A61K 39/464484 . . . . . {Cancer testis antigens, e.g. SSX, BAGE, GAGE or SAGE}
- WARNING  
Group [A61K 39/464484](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001184](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- N A61K 39/464486 . . . . . {MAGE}  
WARNING  
Group [A61K 39/464486](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001186](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- N A61K 39/464488 . . . . . {NY-ESO}  
WARNING  
Group [A61K 39/464488](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001188](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- N A61K 39/464489 . . . . . {PRAME}  
WARNING  
Group [A61K 39/464489](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001189](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- N A61K 39/46449 . . . . . {Melanoma antigens}  
WARNING  
Group [A61K 39/46449](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/00119](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- N A61K 39/464491 . . . . . {Melan-A/MART}  
WARNING  
Group [A61K 39/464491](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001191](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

*All groups listed in this Warning should be considered in order to perform a complete search.*

N A61K 39/464492 . . . . . {Glycoprotein 100 [Gp100]}

**WARNING**

Group [A61K 39/464492](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001192](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

*All groups listed in this Warning should be considered in order to perform a complete search.*

N A61K 39/464493 . . . . . {Prostate associated antigens e.g. Prostate stem cell antigen [PSCA]; Prostate carcinoma tumor antigen [PCTA]; Prostatic acid phosphatase [PAP]; Prostate-specific G-protein-coupled receptor [PSGR]}

**WARNING**

Group [A61K 39/464493](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001193](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

*All groups listed in this Warning should be considered in order to perform a complete search.*

N A61K 39/464494 . . . . . {Prostate specific antigen [PSA]}

**WARNING**

Group [A61K 39/464494](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001194](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

*All groups listed in this Warning should be considered in order to perform a complete search.*

N A61K 39/464495 . . . . . {Prostate specific membrane antigen [PSMA]}

**WARNING**

Group [A61K 39/464495](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001195](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

*All groups listed in this Warning should be considered in order to perform a complete search.*

N A61K 39/464496 . . . . . {Fusion proteins originating from gene translocation in cancer cells}

**WARNING**

Group [A61K 39/464496](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001196](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- N A61K 39/464497 . . . . . {Breakpoint cluster region-abelson tyrosine kinase [BCR-ABL]}  
WARNING  
Group [A61K 39/464497](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001197](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- N A61K 39/464498 . . . . . {Pml-RARalpha}  
WARNING  
Group [A61K 39/464498](#) is incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/001198](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- N A61K 39/464499 . . . . . {Undefined tumor antigens, e.g. tumor lysate or antigens targeted by cells isolated from tumor}
- N A61K 39/4645 . . . . . {Lipids; Lipoproteins}
- N A61K 39/4646 . . . . . {Small organic molecules e.g. cocaine or nicotine}
- N A61K 39/4647 . . . . . {Protozoa antigens}
- N A61K 39/464711 . . . . . {Trypanosoma antigens}
- N A61K 39/464712 . . . . . {Leishmania antigens}
- N A61K 39/464713 . . . . . {Coccidia antigens}
- N A61K 39/464714 . . . . . {Hemosporidia antigens, e.g. Plasmodium antigens}
- N A61K 39/464715 . . . . . {Babesia antigens, e.g. Theileria antigens}
- N A61K 39/4648 . . . . . {Bacterial antigens}
- N A61K 39/464811 . . . . . {Bacterioidetes, e.g. Bacteroides, Ornithobacter or Porphyromonas}
- N A61K 39/464812 . . . . . {Spirochetes, e.g. Treponema, Leptospira or Borrelia}
- N A61K 39/464813 . . . . . {Rickettsiales, e.g. Anaplasma}
- N A61K 39/464814 . . . . . {Mollicutes, e.g. Mycoplasma or Erysipelothrix}
- N A61K 39/464815 . . . . . {Enterobacteriales, e.g. Enterobacter}
- N A61K 39/464816 . . . . . {Yersinia}
- N A61K 39/464817 . . . . . {Mycobacterium, e.g. Mycobacterium tuberculosis}
- N A61K 39/464818 . . . . . {Corynebacterium or Propionibacterium, Actinobacteria, e.g. Actinomyces, Streptomyces, Nocardia, Bifidobacterium or Gardnerella}
- N A61K 39/464819 . . . . . {Bacillus}
- N A61K 39/46482 . . . . . {Clostridium, e.g. Clostridium tetani}
- N A61K 39/464821 . . . . . {Staphylococcus}
- N A61K 39/464822 . . . . . {Streptococcus}
- N A61K 39/464823 . . . . . {Lactobacillales, e.g. aerococcus, enterococcus, lactobacillus or lactococcus}

- N A61K 39/464824 . . . . {*Neisseria*}
- N A61K 39/464825 . . . . {*Brucella; Bordetella*, e.g. *Bordetella pertussis*}
- N A61K 39/464826 . . . . {*Pasteurellales*, e.g. *Actinobacillus, Pasteurella; Haemophilus*}
- N A61K 39/464827 . . . . {*Pseudomonadales*, e.g. *Pseudomonas*}
- N A61K 39/464828 . . . . . {*Moraxella*}
- N A61K 39/464829 . . . . {*Delta proteobacteriales*, e.g. *Lawsonia; Epsilon proteobacteriales*}
- N A61K 39/46483 . . . . {*Vibrio; Campylobacter*}
- N A61K 39/464831 . . . . {*Escherichia; Klebsiella*}
- N A61K 39/464832 . . . . {*Salmonella; Shigella*}
- N A61K 39/464833 . . . . {*Fusobacterium*}
- N A61K 39/464834 . . . . {*Polyvalent bacterial antigens*}
- N A61K 39/464835 . . . . {*Chlamydiaceae*, e.g. *Chlamydia trachomatis* or *Chlamydia psittaci*}
- N A61K 39/464838 . . . {*Viral antigens*}
- N A61K 39/464839 . . . {*Allergens*}
- N A61K 39/46484 . . . . {*from pollen*}
- U A61K 2039/51 . . {comprising whole cells, viruses or DNA/RNA}
- U A61K 2039/515 . . {Animal cells}
- C A61K 2039/5152 . . . {Tumor cells}

**WARNING**

Group A61K 2039/5152 is impacted by reclassification into groups A61K 39/46 - A61K 39/46484, A61K 2239/00 - A61K 2239/59.

All groups listed in this Warning should be considered in order to perform a complete search.

- C A61K 2039/5154 . . . {Antigen presenting cells [APCs], e.g. dendritic cells, **or** macrophages}

**WARNING**

Group A61K 2039/5154 is impacted by reclassification into groups A61K 39/46 - A61K 39/46484 and A61K 2239/00 - A61K 2239/59.

All groups listed in this Warning should be considered in order to perform a complete search.

- C A61K 2039/5156 . . . {expressing foreign proteins}

**WARNING**

Group A61K 2039/5156 is impacted by reclassification into groups A61K 39/46 - A61K 39/46484 and A61K 2239/00 - A61K 2239/59.

All groups listed in this Warning should be considered in order to perform a complete search.

- C A61K 2039/5158 . . . {Antigen-pulsed cells, e.g. T-cells}

**WARNING**

Group A61K 2039/5158 is impacted by reclassification into groups A61K 39/46, A61K 39/461 - A61K 39/46484 and A61K 2239/00 - A61K 2239/59.

All groups listed in this Warning should be considered in order to perform a complete search.

**N A61K 2239/00** **Indexing codes associated with cellular immunotherapy of group [A61K 39/46](#)**

**WARNING**

Groups [A61K 2239/00](#) - [A61K 2239/59](#) are incomplete pending reclassification of documents from groups [A61K 35/15](#), [A61K 35/17](#), [A61K 39/0011](#) - [A61K 39/001198](#), [A61K 2039/5152](#), [A61K 2039/5154](#), [A61K 2039/5156](#), [A61K 2039/5158](#), [C12N 5/0634](#), [C12N 5/0635](#), [C12N 5/0636](#), [C12N 5/0637](#), [C12N 5/0638](#), [C12N 5/0639](#), [C12N 5/064](#), [C12N 5/0645](#) and [C12N 5/0646](#). All groups listed in this Warning should be considered in order to perform a complete search.

- N A61K 2239/10      · characterized by the structure of the chimeric antigen receptor [CAR]
- N A61K 2239/11      · · Antigen recognition domain
- N A61K 2239/13      · · · Antibody-based
- N A61K 2239/15      · · · Non-antibody based
- N A61K 2239/17      · · Hinge-spacer domain
- N A61K 2239/21      · · Transmembrane domain
- N A61K 2239/22      · · Intracellular domain
- N A61K 2239/23      · · On/off switch
- N A61K 2239/24      · · · Dimerizable CARs; CARs with adapter
- N A61K 2239/25      · · · Suicide switch
- N A61K 2239/26      · Universal/off- the- shelf cellular immunotherapy; Allogenic cells or means to avoid rejection
- N A61K 2239/27      · characterized by targeting or presenting multiple antigens
- N A61K 2239/28      · · Expressing multiple CARs, TCRs or antigens
- N A61K 2239/29      · · Multispecific CARs
- N A61K 2239/30      · · Mixture of cells
- N A61K 2239/31      · characterized by the route of administration
- N A61K 2239/38      · characterised by the dose, timing or administration schedule
- N A61K 2239/39      · characterised by a specific adjuvant, e.g. cytokines or CpG
- N A61K 2239/46      · characterised by the cancer treated
- N A61K 2239/47      · · Brain; Nervous system
- N A61K 2239/48      · · Blood cells, e.g. leukemia or lymphoma
- N A61K 2239/49      · · Breast
- N A61K 2239/50      · · Colon
- N A61K 2239/51      · · Stomach
- N A61K 2239/52      · · Intestine
- N A61K 2239/53      · · Liver
- N A61K 2239/54      · · Pancreas
- N A61K 2239/55      · · Lung
- N A61K 2239/56      · · Kidney
- N A61K 2239/57      · · Skin; melanoma
- N A61K 2239/58      · · Prostate
- N A61K 2239/59      · · Reproductive system, e.g. uterus, ovaries, cervix or testes

**M A61K 2300/00** Mixtures or combinations of active ingredients, wherein at least one active ingredient is fully defined in groups [A61K 31/00](#) - [A61K 41/00](#)

NOTE

~~This code is meant to be allocated in combination with the CPC classification symbol of the active ingredients, and replaces the former +M Combi symbols used in this subclass~~

*Orthogonal Indexing Code A61K 2300/00 shall only be used as a subsequent symbol of a C-Set, but not be used as a single symbol for classification.*

**Project: RP0327-F (A61M)**

**U A61M 1/00** Suction or pumping devices for medical purposes; Devices for carrying-off, for treatment of, or for carrying-over, body-liquids; Drainage systems (catheters [A61M 25/00](#); tube connectors, tube couplings, valves or branch units specially adapted for medical use [A61M 39/00](#); devices for taking samples of blood [A61B 5/15](#); filters implantable into blood vessels [A61F 2/01](#))

D A61M 1/0001  
—(Frozen) • {Containers for suction drainage, e.g. rigid containers}

WARNING

Group A61M 1/0001 is no longer used for the classification of documents as of May 1, 2021.

The content of this group is being reclassified into groups A61M 1/60, A61M 1/64, A61M 1/65, A61M 1/66, A61M 1/67, A61M 1/68, A61M 1/682, A61M 1/684, A61M 1/98, A61M 1/982, A61M 1/984 and A61M 1/985.

All groups listed in this Warning should be considered in order to perform a complete search.

D A61M 1/0003  
—(Frozen) • {Self-contained vacuum aspirators}

WARNING

Group A61M 1/0003 is no longer used for the classification of documents as of May 1, 2021.

The content of this group is being reclassified into groups A61M 1/60, A61M 1/64, A61M 1/65, A61M 1/66, A61M 1/67, A61M 1/68, A61M 1/682, A61M 1/684, A61M 1/98, A61M 1/982, A61M 1/984 and A61M 1/985.

All groups listed in this Warning should be considered in order to perform a complete search.

D A61M 1/0011  
—(Frozen) • {Drainage containers incorporating a flexible member creating suction, e.g. bags in a low-pressure chamber, bellows}

WARNING

Group A61M 1/0011 is no longer used for the classification of documents as of May 1, 2021.

The content of this group is being reclassified into groups A61M 1/604, A61M 1/62, A61M 1/68, A61M 1/682 and A61M 1/684.

All groups listed in this Warning should be considered in order to perform a complete search.

D A61M 1/0023  
—(Frozen) • {Suction drainage systems (containers therefor A61M 1/0001; suction-irrigation systems A61M 1/0058)}

WARNING

Group A61M 1/0023 is no longer used for the classification of documents as of May 1, 2021.

The content of this group is being reclassified into groups A61M 1/71 - A61M 1/985.

A61M 1/0023

(Frozen)

(continued)

All groups listed in this Warning should be considered in order to perform a complete search.

D A61M 1/0058  
—(Frozen)

- {Suction-irrigation systems (aspiration tips supplying fluids A61M 1/85; combined with tracheal tubes A61M 16/0463)}

WARNING

Group A61M 1/0058 is no longer used for the classification of documents as of May 1, 2021.

The content of this group is being reclassified into groups A61M 1/77 and A61M 1/92.

Groups A61M 1/0058, A61M 1/77 and A61M 1/92 should be considered in order to perform a complete search.

D A61M 1/0062  
—(Frozen)

- {operating alternately (A61M 1/774 takes precedence)}

WARNING

Group A61M 1/0062 is no longer used for the classification of documents as of May 1, 2021.

The content of this group is being reclassified into groups A61M 1/772 and A61M 1/92.

Groups A61M 1/0062, A61M 1/772 and A61M 1/92 should be considered in order to perform a complete search.

M A61M 1/06

- Milking pumps

WARNING

Group A61M 1/06 is impacted by reclassification into groups A61M 1/067, A61M 1/069, A61M 1/0693, A61M 1/06935 and A61M 1/0697.

All groups listed in this Warning should be considered in order to perform a complete search.

U A61M 1/062

- {Pump accessories}

M A61M 1/067

- • {with means for hands-free operation}

WARNING

Group A61M 1/067 is incomplete pending reclassification of documents from group A61M 1/06.

Groups A61M 1/06 and A61M 1/067 should be considered in order to perform a complete search.

M A61M 1/069

- {Means for improving milking yield}

WARNING

Groups A61M 1/069, A61M 1/0693, A61M 1/06935 and A61M 1/0697 are incomplete pending reclassification of documents from group A61M 1/06.

All groups listed in this Warning should be considered in order to perform a complete search.

M A61M 1/60

- {Containers for suction drainage, adapted to be used with an external suction source (containers not adapted for suction to vacuum [A61M 1/69](#))}

WARNING

Group A61M 1/60 is incomplete pending reclassification of documents from groups A61M 1/0001 and A61M 1/0003.

Groups A61M 1/0001, A61M 1/0003 and A61M 1/60 should be considered in order to perform a complete search.

- M A61M 1/604
- {Bag or liner in a rigid container, with suction applied to both}
- WARNING**  
Group A61M 1/604 is incomplete pending reclassification of documents from group A61M 1/0011.  
Groups A61M 1/0011 and A61M 1/604 should be considered in order to perform a complete search.
- M A61M 1/62
- {Containers comprising a bag in a rigid low-pressure chamber, with suction applied to the outside surface of the bag (liners [A61M 1/604](#))}
- WARNING**  
Group A61M 1/62 is incomplete pending reclassification of documents from group A61M 1/0011.  
Groups A61M 1/0011 and A61M 1/62 should be considered in order to perform a complete search.
- M A61M 1/64
- {Containers with integrated suction means (containers not adapted for subjection to vacuum [A61M 1/69](#))}
- WARNING**  
Groups A61M 1/64, A61M 1/65, A61M 1/66 and A61M 1/67 are incomplete pending reclassification of documents from groups A61M 1/0001 and A61M 1/0003.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 1/68
- {Containers incorporating a flexible member creating suction}
- WARNING**  
Groups A61M 1/68, A61M 1/682 and A61M 1/684 are incomplete pending reclassification of documents from groups A61M 1/0001, A61M 1/0003 and A61M 1/0011.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 1/71
- {Suction drainage systems (containers therefor [A61M 1/60](#), [A61M 1/64](#); negative pressure wound therapy systems [A61M 1/90](#))}
- WARNING**  
Groups A61M 1/71, A61M 1/72, A61M 1/73, A61M 1/732, A61M 1/734, A61M 1/74, A61M 1/7411, A61M 1/7413, A61M 1/7415, A61M 1/742, A61M 1/743, A61M 1/75, A61M 1/78, A61M 1/782, A61M 1/784, A61M 1/785 and A61M 1/79 are incomplete pending reclassification of documents from group A61M 1/0023.  
All groups listed in this Warning should be considered in order to perform a complete search.
- U A61M 1/74
- {Suction control (underwater drainage [A61M 1/61](#))}
- M A61M 1/741
- • {with means for varying suction manually}
- WARNING**  
Group A61M 1/741 is incomplete pending reclassification of documents from group A61M 1/0023.  
Group A61M 1/741 is also impacted by reclassification into group A61M 1/76.  
Groups A61M 1/0023, A61M 1/741 and A61M 1/76 should be considered in order to perform a complete search.

- M A61M 1/76
- {Handpieces (specially for suction-irrigation [A61M 1/774](#), aspiration tips [A61M 1/84](#))}
- WARNING**  
Group A61M 1/76 is incomplete pending reclassification of documents from groups A61M 1/0023 and A61M 1/741.  
Groups A61M 1/0023, A61M 1/741 and A61M 1/76 should be considered in order to perform a complete search.
- M A61M 1/77
- {Suction-irrigation systems (aspiration tips supplying fluids [A61M 1/85](#); specific for negative pressure wound therapy [A61M 1/92](#); combined with tracheal tubes [A61M 16/0463](#))}
- WARNING**  
Group A61M 1/77 is incomplete pending reclassification of documents from groups A61M 1/0023, A61M 1/0058 and A61M 3/0283.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 1/772
- • {operating alternately}
- WARNING**  
Group A61M 1/772 is incomplete pending reclassification of documents from groups A61M 1/0023, A61M 1/0062, A61M 1/774 and A61M 3/0283.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 1/774
- • {Handpieces specially adapted for providing suction as well as irrigation, either simultaneously or independently}
- WARNING**  
Group A61M 1/774 is incomplete pending reclassification of documents from group A61M 1/0023.  
Group A61M 1/774 is also impacted by reclassification into group A61M 1/772.  
Groups A61M 1/0023, A61M 1/774 and A61M 1/772 should be considered in order to perform a complete search.
- M A61M 1/777
- • {Determination of loss or gain of body fluids due to suction-irrigation, e.g. during surgery}
- WARNING**  
Group A61M 1/777 is incomplete pending reclassification of documents from groups A61M 1/0023 and A61M 3/0283.  
Groups A61M 1/0023, A61M 3/0283 and A61M 1/777 should be considered in order to perform a complete search.
- M A61M 1/80
- {Suction pumps ([A61M 1/64](#), [A61M 1/71](#), [A61M 60/00](#) take precedence)}
- WARNING**  
Groups A61M 1/80, A61M 1/802, A61M 1/804, A61M 1/81, A61M 1/815 and A61M 1/82 are incomplete pending reclassification of documents from group A61M 1/0023.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 1/83
- {Tube strippers, i.e. for clearing the contents of the tubes}
- WARNING**  
Group A61M 1/83 is incomplete pending reclassification of documents from group A61M 1/0023.

Groups A61M 1/0023 and A61M 1/83 should be considered in order to perform a complete search:

M A61M 1/84

- {Drainage tubes; Aspiration tips (for negative pressure wound therapy [A61M 1/90](#); for surgical cutting instruments [A61B 17/32](#))}

**WARNING**

Group A61M 1/84 is incomplete pending reclassification of documents from group A61M 1/0023:

Group A61M 1/84 is also impacted by reclassification into groups A61M 1/90, A61B 17/32, A61B 17/320016, A61B 17/32002, A61B 17/320036, A61B 17/320068, A61B 17/320092, A61B 17/3201, A61B 17/3203, A61B 17/32037, A61B 17/3205, A61B 17/32053, A61B 17/32056, A61B 17/3207, A61B 17/320708, A61B 17/320725, A61B 17/32075, A61B 17/320758 and A61B 17/320783:

All groups listed in this Warning should be considered in order to perform a complete search:

M A61M 1/842

- {rotating (continuously rotating surgical cutting instruments [A61B 17/32002](#))}

**WARNING**

Group A61M 1/842 is incomplete pending reclassification of documents from group A61M 1/0023:

Group A61M 1/842 is also impacted by reclassification into groups A61M 1/90, A61B 17/32, A61B 17/320016, A61B 17/32002, A61B 17/320036, A61B 17/320068, A61B 17/320092, A61B 17/3201, A61B 17/3203, A61B 17/32037, A61B 17/3205, A61B 17/32053, A61B 17/32056, A61B 17/3207, A61B 17/320708, A61B 17/320725, A61B 17/32075, A61B 17/320758 and A61B 17/320783:

All groups listed in this Warning should be considered in order to perform a complete search:

M A61M 1/85

- {with gas or fluid supply means, e.g. for supplying rinsing fluids or anticoagulants (for negative pressure wound therapy [A61M 1/92](#), [A61M 1/94](#); combined with tracheal tubes [A61M 16/0463](#); dental instruments with combined rinsing and aspirating [A61C 17/0208](#))}

**WARNING**

Group A61M 1/85 is incomplete pending reclassification of documents from groups A61M 1/0023 and A61M 3/0283:

Group A61M 1/85 is also impacted by reclassification into groups A61M 1/90, A61B 17/32, A61B 17/320016, A61B 17/32002, A61B 17/320036, A61B 17/320068, A61B 17/320092, A61B 17/3201, A61B 17/3203, A61B 17/32037, A61B 17/3205, A61B 17/32053, A61B 17/32056, A61B 17/3207, A61B 17/320708, A61B 17/320725, A61B 17/32075, A61B 17/320758 and A61B 17/320783:

All groups listed in this Warning should be considered in order to perform a complete search:

M A61M 1/86

- {Connectors between drainage tube and handpiece, e.g. drainage tubes detachable from handpiece}

**WARNING**

Group A61M 1/86 is incomplete pending reclassification of documents from group A61M 1/0023:

Group A61M 1/86 is also impacted by reclassification into groups A61M 1/90, A61B 17/32, A61B 17/320016, A61B 17/32002, A61B 17/320036, A61B 17/320068, A61B 17/320092, A61B 17/3201, A61B 17/3203, A61B 17/32037, A61B 17/3205, A61B 17/32053, A61B 17/32056, A61B 17/3207, A61B 17/320708, A61B 17/320725, A61B 17/32075, A61B 17/320758 and A61B 17/320783:

All groups listed in this Warning should be considered in order to perform a complete search:

M A61M 1/87

- {Details of the aspiration tip, not otherwise provided for}

WARNING

Group A61M 1/87 is incomplete pending reclassification of documents from groups A61M 1/0023 and A61M 1/90.  
Groups A61M 1/0023, A61M 1/90 and A61M 1/87 should be considered in order to perform a complete search:

M A61M 1/88

- {Draining devices having means for processing the drained fluid, e.g. an absorber (for liposuction [A61M 1/892](#))}

WARNING

Group A61M 1/88 is incomplete pending reclassification of documents from group A61M 1/0023.  
Group A61M 1/88 is also impacted by reclassification into group A61M 1/892.  
Groups A61M 1/0023, A61M 1/88 and A61M 1/892 should be considered in order to perform a complete search:

M A61M 1/882

- {Draining devices provided with means for releasing antimicrobial or gelation agents in the drained fluid}

WARNING

Group A61M 1/882 is incomplete pending reclassification of documents from group A61M 1/0023.  
Groups A61M 1/0023 and A61M 1/882 should be considered in order to perform a complete search:

M A61M 1/884

- {Draining devices provided with means for filtering out the harmless water content before discarding the drainage container}

WARNING

Group A61M 1/884 is incomplete pending reclassification of documents from group A61M 1/0023.  
Groups A61M 1/0023 and A61M 1/884 should be considered in order to perform a complete search:

M A61M 1/89

- {Suction aspects of liposuction (surgical cutting instruments [A61B 17/32](#))}

WARNING

Groups A61M 1/89, A61M 1/893 and A61M 1/895 are incomplete pending reclassification of documents from group A61M 1/0023.  
All groups listed in this Warning should be considered in order to perform a complete search:

M A61M 1/892

- {with treatment of the collected fat}

WARNING

Group A61M 1/892 is incomplete pending reclassification of documents from groups A61M 1/0023 and A61M 1/88.  
Groups A61M 1/0023, A61M 1/88 and A61M 1/892 should be considered in order to perform a complete search:

M A61M 1/90

- {Negative pressure wound therapy devices, i.e. devices for applying suction to a wound to promote healing, e.g. including a vacuum dressing}

WARNING

Group A61M 1/90 is incomplete pending reclassification of documents from groups A61M 1/0023, A61M 1/84, A61M 1/842, A61M 1/85 and A61M 1/86.  
Group A61M 1/90 is also impacted by reclassification into groups A61M 1/87, A61M 1/91, A61M 1/912, A61M 1/913, A61M 1/915, A61M 1/916, A61M 1/917,

~~A61M 1/918, A61M 1/92, A61M 1/94, A61M 1/95, A61M 1/96, A61M 1/962, A61M 1/964, A61M 1/966, A61M 1/98, A61M 1/982, A61M 1/984 and A61M 1/985.~~

~~All groups listed in this Warning should be considered in order to perform a complete search.~~

- M A61M 1/91
- {Suction aspects of the dressing}

WARNING

~~Groups A61M 1/91, A61M 1/912, A61M 1/913, A61M 1/915, A61M 1/916, A61M 1/917 and A61M 1/918 are incomplete pending reclassification of documents from groups A61M 1/0023 and A61M 1/90.~~

~~All groups listed in this Warning should be considered in order to perform a complete search.~~

- M A61M 1/92
- {with liquid supply means}

WARNING

~~Group A61M 1/92 is incomplete pending reclassification of documents from groups A61M 1/0023, A61M 1/0058, A61M 1/0062, A61M 1/90 and A61M 3/0283.~~

~~All groups listed in this Warning should be considered in order to perform a complete search.~~

- M A61M 1/94
- {with gas supply means}

WARNING

~~Group A61M 1/94 is incomplete pending reclassification of documents from groups A61M 1/0023 and A61M 1/90.~~

~~Groups A61M 1/0023, A61M 1/90 and A61M 1/94 should be considered in order to perform a complete search.~~

- M A61M 1/95
- {with sensors for exudate composition}

WARNING

~~Group A61M 1/95 is incomplete pending reclassification of documents from groups A61M 1/0023 and A61M 1/90.~~

~~Groups A61M 1/0023, A61M 1/90 and A61M 1/95 should be considered in order to perform a complete search.~~

- M A61M 1/96
- {Suction control thereof}

WARNING

~~Groups A61M 1/96, A61M 1/962, A61M 1/964 and A61M 1/966 are incomplete pending reclassification of documents from groups A61M 1/0023 and A61M 1/90.~~

~~All groups listed in this Warning should be considered in order to perform a complete search.~~

- M A61M 1/98
- {Containers specifically adapted for negative pressure wound therapy}

WARNING

~~Groups A61M 1/98, A61M 1/982, A61M 1/984 and A61M 1/985 are incomplete pending reclassification of documents from groups A61M 1/0001, A61M 1/0003, A61M 1/0023 and A61M 1/90.~~

~~All groups listed in this Warning should be considered in order to perform a complete search.~~

- U A61M 3/00
- Medical syringes, e.g. enemata; Irrigators ([A61M 5/00](#) takes precedence; pistons [A61M 5/315](#))

- M A61M 3/02
- Enemata; Irrigators
- WARNING  
Group A61M 3/02 is impacted by reclassification into groups A61M 3/0201 and A61M 3/0202.  
Groups A61M 3/02, A61M 3/0201 and A61M 3/0202 should be considered in order to perform a complete search.
- M A61M 3/0201
- • {Cassettes therefor}
- WARNING  
Group A61M 3/0201 is incomplete pending reclassification of documents from group A61M 3/02.  
Groups A61M 3/02 and A61M 3/0201 should be considered in order to perform a complete search.
- M A61M 3/0202
- • {with electronic control means or interfaces}
- WARNING  
Group A61M 3/0202 is incomplete pending reclassification of documents from group A61M 3/02.  
Groups A61M 3/02 and A61M 3/0202 should be considered in order to perform a complete search.
- M A61M 3/0233
- • {characterised by liquid supply means, e.g. from pressurised reservoirs}
- WARNING  
Group A61M 3/0233 is impacted by reclassification into group A61M 3/0245.  
Groups A61M 3/0233 and A61M 3/0245 should be considered in order to perform a complete search.
- M A61M 3/0237
- • • {the pressure being generated in the reservoir, e.g. by gas generating tablets}
- WARNING  
Group A61M 3/0237 is impacted by reclassification into group A61M 3/0245.  
Groups A61M 3/0237 and A61M 3/0245 should be considered in order to perform a complete search.
- M A61M 3/0241
- • • {the liquid being supplied by gravity}
- WARNING  
Group A61M 3/0241 is impacted by reclassification into group A61M 3/0245.  
Groups A61M 3/0241 and A61M 3/0245 should be considered in order to perform a complete search.
- M A61M 3/0245
- • • {Containers therefor, e.g. with heating means or with storage means for cannula}
- WARNING  
Group A61M 3/0245 is incomplete pending reclassification of documents from groups A61M 3/0233, A61M 3/0237, A61M 3/0241, A61M 3/025, A61M 3/0254, A61M 3/0258 and A61M 3/0262.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 3/025
- • • {supplied directly from the pressurised water source, e.g. with medicament supply (combined with bidets [A61M 3/06](#))}
- WARNING  
Group A61M 3/025 is impacted by reclassification into group A61M 3/0245.

~~Groups A61M 3/025 and A61M 3/0245 should be considered in order to perform a complete search.~~

- M A61M 3/0254
- • {the liquid being pumped (by the patient's weight [A61M 3/0225](#))}

**WARNING**

~~Group A61M 3/0254 is impacted by reclassification into group A61M 3/0245.~~

~~Groups A61M 3/0254 and A61M 3/0245 should be considered in order to perform a complete search.~~

- M A61M 3/0258
- • • {by means of electric pumps}

**WARNING**

~~Group A61M 3/0258 is impacted by reclassification into group A61M 3/0245.~~

~~Groups A61M 3/0258 and A61M 3/0245 should be considered in order to perform a complete search.~~

- M A61M 3/0262
- • • {manually, e.g. by squeezing a bulb}

**WARNING**

~~Group A61M 3/0262 is impacted by reclassification into group A61M 3/0245.~~

~~Groups A61M 3/0262 and A61M 3/0245 should be considered in order to perform a complete search.~~

- U A61M 3/0279
- {Cannula; Nozzles; Tips; their connection means}

- M A61M 3/0283
- • {with at least two inner passageways, a first one for irrigating and a second for evacuating (suction-irrigation systems [A61M 1/77](#); aspiration tips with fluid supply means [A61M 1/85](#); for negative pressure wound therapy [A61M 1/92](#))}

**WARNING**

~~Group A61M 3/0283 is impacted by reclassification into groups A61M 1/77, A61M 1/772, A61M 1/774, A61M 1/777, A61M 1/85 and A61M 1/92.~~

~~All groups listed in this Warning should be considered in order to perform a complete search.~~

**Project: RP0705-F (A61M)**

- M A61M 60/00
- Blood pumps; Devices for mechanical circulatory actuation; Balloon pumps for circulatory assistance (heart stimulation [A61H 31/00](#); heart stimulators for electrotherapy [A61N 1/362](#))**

**NOTE**

In this main group, it is obligatory to classify all aspects of location, type, medical purpose, driving details, control details, and constructional details other than driving details that are represented in groups [A61M 60/10](#), [A61M 60/20](#), [A61M 60/30](#), [A61M 60/40](#), [A61M 60/50](#) and [A61M 60/80](#). This obligation extends to information that would normally only be considered as additional information.

**WARNING**

~~Group A61M 60/00 is impacted by reclassification into groups A61M 60/10–A61M 60/90.~~

~~All groups listed in this Warning should be considered in order to perform a complete search.~~

- M A61M 60/10
- Location thereof with respect to the patient's body
- WARNING  
Groups A61M 60/10, A61M 60/104, A61M 60/109, A61M 60/113, and A61M 60/117 are incomplete pending reclassification of documents from group A61M 60/00.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 60/122
- • Implantable pumps or pumping devices, i.e. the blood being pumped inside the patient's body
- WARNING  
Group A61M 60/122 is incomplete pending reclassification of documents from group A61M 60/00.  
Group A61M 60/122 is also impacted by reclassification into groups A61M 60/126 -- A61M 60/196.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 60/126
- • • implantable via, into, inside, in line, branching on, or around a blood vessel
- WARNING  
Groups A61M 60/126, A61M 60/13, A61M 60/148, A61M 60/152, A61M 60/157, and A61M 60/161 are incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/122.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 60/135
- • • inside a blood vessel, e.g. using grafting
- WARNING  
Group A61M 60/135 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/122.  
Group A61M 60/135 is also impacted by reclassification into groups A61M 60/139 and A61M 60/143.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 60/139
- • • • inside the aorta, e.g. intra-aortic balloon pumps
- WARNING  
Group A61M 60/139 is incomplete pending reclassification of documents from groups A61M 60/00, A61M 60/122, and A61M 60/135.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 60/143
- • • • inside the coronary sinus, e.g. for pressure-controlled intermittent coronary sinus occlusion
- WARNING  
Group A61M 60/143 is incomplete pending reclassification of documents from groups A61M 60/00, A61M 60/122, and A61M 60/135.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 60/165
- • • implantable in, on, or around the heart
- WARNING  
Groups A61M 60/165, A61M 60/178, A61M 60/183, A61M 60/187, and A61M 60/191 are incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/122.

All groups listed in this Warning should be considered in order to perform a complete search.

- M A61M 60/17
  - • • inside a ventricle, e.g. intraventricular balloon pumps

WARNING

Group A61M 60/17 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/122.

Group A61M 60/17 is also impacted by reclassification into group A61M 60/174.

All groups listed in this Warning should be considered in order to perform a complete search.

- M A61M 60/174
  - • • • discharging the blood to the ventricle or arterial system via a cannula internal to the ventricle or arterial system

WARNING

Group A61M 60/174 is incomplete pending reclassification of documents from groups A61M 60/00, A61M 60/122, and A61M 60/17.

All groups listed in this Warning should be considered in order to perform a complete search.

- M A61M 60/196
  - • • replacing the entire heart, e.g. total artificial hearts [TAH]

WARNING

Group A61M 60/196 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/122.

Groups A61M 60/00, A61M 60/122, and A61M 60/196 should be considered in order to perform a complete search.

- M A61M 60/20
  - Type thereof

WARNING

Groups A61M 60/20, A61M 60/247, A61M 60/253, A61M 60/289, and A61M 60/295 are incomplete pending reclassification of documents from group A61M 60/00.

All groups listed in this Warning should be considered in order to perform a complete search.

- M A61M 60/205
  - • Non-positive displacement blood pumps

WARNING

Group A61M 60/205 is incomplete pending reclassification of documents from group A61M 60/00.

Group A61M 60/205 is also impacted by reclassification into groups A61M 60/211 - A61M 60/242, A61M 60/403 - A61M 60/422, and A61M 60/802 - A61M 60/833.

All groups listed in this Warning should be considered in order to perform a complete search.

- M A61M 60/211
  - • • using a jet, venturi or entrainment effect for pumping the blood

WARNING

Group A61M 60/211 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/205.

Groups A61M 60/00, A61M 60/205, and A61M 60/211 should be considered in order to perform a complete search.

- M A61M 60/216
  - • • including a rotating member acting on the blood, e.g. impeller

WARNING

Groups A61M 60/216 - A61M 60/242 are incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/205.

All groups listed in this Warning should be considered in order to perform a complete search.

- U A61M 60/247
  - U A61M 60/253
  - M A61M 60/258
- Positive displacement blood pumps
  - • including a displacement member directly acting on the blood
  - • • Piston pumps

**WARNING**

Group A61M 60/258 is incomplete pending reclassification of documents from group A61M 60/00.  
Group A61M 60/258 is also impacted by reclassification into group A61M 60/263.  
Groups A61M 60/00, A61M 60/258, and A61M 60/263 should be considered in order to perform a complete search.

- M A61M 60/263
- • • • having a spherical housing, e.g. cardan pumps

**WARNING**

Group A61M 60/263 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/258.  
Groups A61M 60/00, A61M 60/258, and A61M 60/263 should be considered in order to perform a complete search.

- M A61M 60/268
- • • • the displacement member being flexible, e.g. membranes, diaphragms or bladders

**WARNING**

Group A61M 60/268 is incomplete pending reclassification of documents from group A61M 60/00.  
Group A61M 60/268 is also impacted by reclassification into groups A61M 60/274, A61M 60/279, and A61M 60/284.  
All groups listed in this Warning should be considered in order to perform a complete search.

- M A61M 60/274
- • • • the inlet and outlet being the same, e.g. para-aortic counter-pulsation blood pumps

**WARNING**

Group A61M 60/274 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/268.  
Groups A61M 60/00, A61M 60/268, and A61M 60/274 should be considered in order to perform a complete search.

- M A61M 60/279
- • • • Peristaltic pumps, e.g. roller pumps

**WARNING**

Groups A61M 60/279 and A61M 60/284 are incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/268.  
All groups listed in this Warning should be considered in order to perform a complete search.

- M A61M 60/30
- Medical purposes thereof other than the enhancement of the cardiac output

**WARNING**

Groups A61M 60/30, A61M 60/31, A61M 60/32, A61M 60/33, A61M 60/34, A61M 60/35, A61M 60/36, A61M 60/37, A61M 60/38, and A61M 60/39 are incomplete pending reclassification of documents from group A61M 60/00.  
All groups listed in this Warning should be considered in order to perform a complete search.

- M A61M 60/40
- Details relating to driving
- WARNING  
 Group A61M 60/40 is incomplete pending reclassification of documents from group A61M 60/00.  
 Group A61M 60/40 is also impacted by reclassification into groups A61M 60/403 – A61M 60/497.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 60/403
- for non-positive displacement blood pumps
- WARNING  
 Groups A61M 60/403, A61M 60/405, A61M 60/408, A61M 60/411, A61M 60/414, A61M 60/416, A61M 60/419, and A61M 60/422 are incomplete pending reclassification of documents from groups A61M 60/00, A61M 60/205, and A61M 60/40.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 60/424
- for positive displacement blood pumps
- WARNING  
 Groups A61M 60/424, A61M 60/427, A61M 60/43 – A61M 60/462 are incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/40.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 60/465
- for devices for mechanical circulatory actuation
- WARNING  
 Groups A61M 60/465 – A61M 60/495 are incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/40.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 60/497
- for balloon pumps for circulatory assistance
- WARNING  
 Group A61M 60/497 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/40.  
 Groups A61M 60/00, A61M 60/40, and A61M 60/497 should be considered in order to perform a complete search.
- M A61M 60/50
- Details relating to control
- WARNING  
 Group A61M 60/50 is incomplete pending reclassification of documents from group A61M 60/00.  
 Group A61M 60/50 is also impacted by reclassification into groups A61M 60/508 – A61M 60/592.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 60/508
- Electronic control means, e.g. for feedback regulation
- WARNING  
 Groups A61M 60/508, A61M 60/515, A61M 60/523, A61M 60/531, A61M 60/538, A61M 60/546, A61M 60/554, and A61M 60/577 are incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/50.

- All groups listed in this Warning should be considered in order to perform a complete search.
- M A61M 60/562
    - • for making blood flow pulsatile in blood pumps that do not intrinsically create pulsatile flow

WARNING  
Group A61M 60/562 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/50.  
Group A61M 60/562 is also impacted by reclassification into group A61M 60/569.  
All groups listed in this Warning should be considered in order to perform a complete search.
  - M A61M 60/569
    - • • synchronous with the native heart beat

WARNING  
Group A61M 60/569 is incomplete pending reclassification of documents from groups A61M 60/00, A61M 60/50, and A61M 60/562.  
All groups listed in this Warning should be considered in order to perform a complete search.
  - M A61M 60/585
    - • User interfaces

WARNING  
Group A61M 60/585 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/50.  
Groups A61M 60/00, A61M 60/50, and A61M 60/585 should be considered in order to perform a complete search.
  - M A61M 60/592
    - • Communication of patient or blood pump data to distant operators for treatment purposes

WARNING  
Group A61M 60/592 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/50.  
Groups A61M 60/00, A61M 60/50, and A61M 60/592 should be considered in order to perform a complete search.
  - M A61M 60/80
    - Constructional details other than related to driving

WARNING  
Groups A61M 60/80, A61M 60/835, A61M 60/837 – A61M 60/898 are incomplete pending reclassification of documents from group A61M 60/00.  
All groups listed in this Warning should be considered in order to perform a complete search.
  - M A61M 60/802
    - • of non-positive displacement blood pumps

WARNING  
Groups A61M 60/802 - A61M 60/833 are incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/205.  
All groups listed in this Warning should be considered in order to perform a complete search.
  - M A61M 60/818
    - • • Bearings

WARNING  
Group A61M 60/818 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/205.  
Group A61M 60/818 is also impacted by reclassification into groups A61M 60/82, A61M 60/822, A61M 60/824, and A61M 60/825.

All groups listed in this Warning should be considered in order to perform a complete search.

M A61M 60/82

- • • • Magnetic bearings

WARNING

Group A61M 60/82 is incomplete pending reclassification of documents from groups A61M 60/00, A61M 60/205, and A61M 60/818.

Group A61M 60/82 is also impacted by reclassification into group A61M 60/822.

All groups listed in this Warning should be considered in order to perform a complete search.

M A61M 60/822

- • • • specially adapted for being actively controlled

WARNING

Group A61M 60/822 is incomplete pending reclassification of documents from groups A61M 60/00, A61M 60/205, A61M 60/818, and A61M 60/82.

All groups listed in this Warning should be considered in order to perform a complete search.

M A61M 60/824

- • • • Hydrodynamic or fluid film bearings

WARNING

Group A61M 60/824 is incomplete pending reclassification of documents from groups A61M 60/00, A61M 60/205, and A61M 60/818.

All groups listed in this Warning should be considered in order to perform a complete search.

M A61M 60/825

- • • • Contact bearings, e.g. ball-and-cup or pivot bearings

WARNING

Group A61M 60/825 is incomplete pending reclassification of documents from groups A61M 60/00, A61M 60/205, and A61M 60/818.

All groups listed in this Warning should be considered in order to perform a complete search.

U A61M 60/855

- • of implantable pumps or pumping devices

M A61M 60/857

- • • Implantable blood tubes

WARNING

Group A61M 60/857 is incomplete pending reclassification of documents from group A61M 60/00.

Group A61M 60/857 is also impacted by reclassification into group A61M 60/859.

Groups A61M 60/00, A61M 60/857, and A61M 60/859 should be considered in order to perform a complete search.

M A61M 60/859

- • • • Connections therefor

WARNING

Group A61M 60/859 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/857.

Groups A61M 60/00, A61M 60/857, and A61M 60/859 should be considered in order to perform a complete search.

M A61M 60/871

- • • Energy supply devices; Converters therefor

WARNING

Group A61M 60/871 is incomplete pending reclassification of documents from group A61M 60/00.

Group A61M 60/871 is also impacted by reclassification into groups A61M 60/873 – A61M 60/888.  
All groups listed in this Warning should be considered in order to perform a complete search.

- M A61M 60/873
- • • specially adapted for wireless or transcutaneous energy transfer [TET], e.g. inductive charging

WARNING

Groups A61M 60/873 and A61M 60/875 are incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/871.  
All groups listed in this Warning should be considered in order to perform a complete search.

- M A61M 60/876
- • • Implantable batteries

WARNING

Group A61M 60/876 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/871.  
Groups A61M 60/00, A61M 60/871, and A61M 60/876 should be considered in order to perform a complete search.

- M A61M 60/878
- • • Electrical connections within the patient's body

WARNING

Group A61M 60/878 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/871.  
Groups A61M 60/00, A61M 60/871, and A61M 60/878 should be considered in order to perform a complete search.

- M A61M 60/88
- • • Percutaneous cables

WARNING

Group A61M 60/88 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/871.  
Groups A61M 60/00, A61M 60/871, and A61M 60/88 should be considered in order to perform a complete search.

- M A61M 60/882
- • • Devices powered by the patient, e.g. skeletal muscle powered devices

WARNING

Group A61M 60/882 is incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/871.  
Groups A61M 60/00, A61M 60/871, and A61M 60/882 should be considered in order to perform a complete search.

- M A61M 60/884
- • • being associated to additional implantable blood treating devices

WARNING

Groups A61M 60/884 – A61M 60/888 are incomplete pending reclassification of documents from groups A61M 60/00 and A61M 60/871.  
All groups listed in this Warning should be considered in order to perform a complete search.

- M A61M 60/90
- Details not provided for in groups [A61M 60/40](#), [A61M 60/50](#) or [A61M 60/80](#)

WARNING

Group A61M 60/90 is incomplete pending reclassification of documents from group A61M 60/00  
Groups A61M 60/00 and A61M 60/90 should be considered in order to perform a complete search.

**Project: RP0161-F (A62C)**

- U A62C 35/00** Permanently-installed equipment ([A62C 31/00](#), [A62C 33/00](#), [A62C 37/00](#) take precedence; for forming water curtains [A62C 2/08](#))
- U A62C 35/02 · with containers for delivering the extinguishing substance
- M A62C 35/08 · · Containers destroyed or opened by bursting charge
- WARNING**  
Group A62C 35/08 is incomplete pending reclassification of documents from group A62C 37/28.  
Groups A62C 37/28 and A62C 35/08 should be considered in order to perform a complete search.
- U A62C 37/00** Control of fire-fighting equipment (heat-sensitive devices [G01K](#))
- M A62C 37/08 · comprising an outlet device containing a sensor, or itself being the sensor, i.e. self-contained sprinklers
- WARNING**  
Group A62C 37/08 is incomplete pending reclassification of documents from group A62C 37/28.  
Groups A62C 37/28 and A62C 37/08 should be considered in order to perform a complete search.
- D A62C 37/28  
—(Frozen) · · {with an explosive charge}
- WARNING**  
Group A62C 37/28 is no longer used for the classification of documents as of August 1, 2018. The content of this group is being reclassified into groups A62C 35/08, A62C 37/08, and A62C 37/36.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M A62C 37/36 · an actuating signal being generated by a sensor separate from an outlet device
- WARNING**  
Group A62C 37/36 is incomplete pending reclassification of documents from group A62C 37/28.  
Groups A62C 37/28 and A62C 37/36 should be considered in order to perform a complete search.

**Project: RP0279-F (B01D)**

- U B01D 46/00** Filters or filtering processes specially modified for separating dispersed particles from gases or vapours (filtering elements [B01D 24/00-B01D 35/00](#); filtering material [B01D 39/00](#); their regeneration outside the filters [B01D 41/00](#))
- U B01D 46/24 · Particle separators, e.g. dust precipitators, using rigid hollow filter bodies
- U B01D 46/2403 · · {characterised by the physical shape or structure of the filtering element}
- U B01D 46/2418 · · · {Honeycomb filters (used for filtering exhaust gases of an internal combustion engine [F01N 3/022](#); ceramic honeycomb structures per se [C04B 38/0006](#))}
- M B01D 46/2425 · · · {characterized by parameters related to the physical properties of the honeycomb structure material}
- WARNING**  
Group B01D 46/2425 is impacted by reclassification into groups B01D 46/24493, B01D 46/24494, B01D 46/24495, B01D 46/2476, B01D 46/2478 and B01D 46/248.

All groups listed in this Warning should be considered in order to perform a complete search.

M B01D 46/2429 . . . . {of the honeycomb walls or cells}

WARNING

Group B01D 46/2429 is impacted by reclassification into groups B01D 46/24493, B01D 46/24494, B01D 46/24495, B01D 46/2476, B01D 46/2478 and B01D 46/248.

All groups listed in this Warning should be considered in order to perform a complete search.

M B01D 46/244 . . . . {of the plugs}

WARNING

Group B01D 46/244 is impacted by reclassification into groups B01D 46/24491, B01D 46/24492, B01D 46/24493, B01D 46/24494, B01D 46/24495, B01D 46/2476, B01D 46/2478 and B01D 46/248.

All groups listed in this Warning should be considered in order to perform a complete search.

M B01D 46/2444 . . . . {of the outer peripheral sealing}

WARNING

Group B01D 46/2444 is impacted by reclassification into groups B01D 46/24491, B01D 46/24492, B01D 46/24493, B01D 46/24494, B01D 46/24495, B01D 46/2476, B01D 46/2478 and B01D 46/248.

All groups listed in this Warning should be considered in order to perform a complete search.

M B01D 46/2448 . . . . {of the adhesive layers, i.e. joints between segments}

WARNING

Group B01D 46/2448 is impacted by reclassification into groups B01D 46/24491, B01D 46/24492, B01D 46/24493, B01D 46/24494, B01D 46/24495, B01D 46/2476, B01D 46/2478 and B01D 46/248.

All groups listed in this Warning should be considered in order to perform a complete search.

M B01D 46/24491 . . . . {Porosity}

WARNING

Group B01D 46/24491 is incomplete pending reclassification of documents from groups B01D 46/244, B01D 46/2444 and B01D 46/2448.

Group B01D 46/24491 is also impacted by reclassification into groups B01D 46/24493, B01D 46/24494 and B01D 46/24495.

All groups listed in this Warning should be considered in order to perform a complete search.

M B01D 46/24492 . . . . {Pore diameter}

WARNING

Group B01D 46/24492 is incomplete pending reclassification of documents from groups B01D 46/244, B01D 46/2444 and B01D 46/2448.

Group B01D 46/24492 is also impacted by reclassification into groups B01D 46/24493, B01D 46/24494 and B01D 46/24495.

All groups listed in this Warning should be considered in order to perform a complete search.

- M B01D 46/24493 . . . . {Modulus of rupture}
- WARNING  
Group B01D 46/24493 is incomplete pending reclassification of documents from groups B01D 46/2425, B01D 46/2429, B01D 46/244, B01D 46/2444, B01D 46/2448, B01D 46/24491 and B01D 46/24492. All groups listed in this Warning should be considered in order to perform a complete search.
- M B01D 46/24494 . . . . {Thermal expansion coefficient, heat capacity or thermal conductivity}
- WARNING  
Group B01D 46/24494 is incomplete pending reclassification of documents from groups B01D 46/2425, B01D 46/2429, B01D 46/244, B01D 46/2444, B01D 46/2448, B01D 46/24491 and B01D 46/24492. All groups listed in this Warning should be considered in order to perform a complete search.
- M B01D 46/24495 . . . . {Young's modulus}
- WARNING  
Group B01D 46/24495 is incomplete pending reclassification of documents from groups B01D 46/2425, B01D 46/2429, B01D 46/244, B01D 46/2444, B01D 46/2448, B01D 46/24491 and B01D 46/24492. All groups listed in this Warning should be considered in order to perform a complete search.
- M B01D 46/2451 . . . . {characterized by the geometrical structure, shape, pattern or configuration or parameters related to the geometry of the structure}
- WARNING  
Group B01D 46/2451 is impacted by reclassification into groups B01D 46/2476, B01D 46/2478, B01D 46/248, B01D 46/2482, B01D 46/2484 and B01D 46/2492. All groups listed in this Warning should be considered in order to perform a complete search.
- M B01D 46/2455 . . . . {of the whole honeycomb or segments}
- WARNING  
Group B01D 46/2455 is impacted by reclassification into groups B01D 46/2476, B01D 46/2478, B01D 46/248, B01D 46/2482, B01D 46/2484 and B01D 46/2492. All groups listed in this Warning should be considered in order to perform a complete search.
- M B01D 46/2459 . . . . {of the plugs}
- WARNING  
Group B01D 46/2459 is impacted by reclassification into groups B01D 46/2476, B01D 46/2478, B01D 46/248, B01D 46/2482, B01D 46/2484 and B01D 46/2492. All groups listed in this Warning should be considered in order to perform a complete search.
- M B01D 46/2462 . . . . {the outer peripheral sealing}
- WARNING  
Group B01D 46/2462 is impacted by reclassification into groups B01D 46/2476, B01D 46/2478, B01D 46/248, B01D 46/2482, B01D 46/2484 and B01D 46/2492.

All groups listed in this Warning should be considered in order to perform a complete search:

M B01D 46/2466 . . . . {of the adhesive layers, i.e. joints between segments}

WARNING

Group B01D 46/2466 is impacted by reclassification into groups B01D 46/2476, B01D 46/2478, B01D 46/248, B01D 46/2482, B01D 46/2484 and B01D 46/2492.

All groups listed in this Warning should be considered in order to perform a complete search:

M B01D 46/247 . . . . {of the cells}

WARNING

Group B01D 46/247 is impacted by reclassification into groups B01D 46/2476, B01D 46/2478, B01D 46/248, B01D 46/2482, B01D 46/2484 and B01D 46/2492.

All groups listed in this Warning should be considered in order to perform a complete search:

M B01D 46/2474 . . . . {of the walls along the length of the honeycomb}

WARNING

Group B01D 46/2474 is impacted by reclassification into groups B01D 46/2476, B01D 46/2478, B01D 46/248, B01D 46/2482, B01D 46/2484 and B01D 46/2492.

All groups listed in this Warning should be considered in order to perform a complete search:

M B01D 46/2476 . . . . {Monolithic structures}

WARNING

Group B01D 46/2476 is incomplete pending reclassification of documents from groups B01D 46/2425, B01D 46/2429, B01D 46/244, B01D 46/2444, B01D 46/2448, B01D 46/2451, B01D 46/2455, B01D 46/2459, B01D 46/2462, B01D 46/2466, B01D 46/247, B01D 46/2474, B01D 46/2486, B01D 46/2488, B01D 46/249, B01D 46/2494 and B01D 46/2496.

All groups listed in this Warning should be considered in order to perform a complete search:

M B01D 46/2478 . . . . {Structures comprising honeycomb segments}

WARNING

Group B01D 46/2478 is incomplete pending reclassification of documents from groups B01D 46/2425, B01D 46/2429, B01D 46/244, B01D 46/2444, B01D 46/2448, B01D 46/2451, B01D 46/2455, B01D 46/2459, B01D 46/2462, B01D 46/2466, B01D 46/247, B01D 46/2474, B01D 46/2486, B01D 46/2488, B01D 46/249, B01D 46/2494 and B01D 46/2496.

All groups listed in this Warning should be considered in order to perform a complete search:

M B01D 46/248 . . . . {Structures comprising laminated bodies or discs}

WARNING

Group B01D 46/248 is incomplete pending reclassification of documents from groups B01D 46/2425, B01D 46/2429, B01D 46/244, B01D 46/2444, B01D 46/2448, B01D 46/2451, B01D 46/2455, B01D 46/2459, B01D 46/2462, B01D 46/2466, B01D 46/247,

~~B01D 46/2474, B01D 46/2486, B01D 46/2488, B01D 46/249, B01D 46/2494 and B01D 46/2496.~~  
All groups listed in this Warning should be considered in order to perform a complete search.

M B01D 46/2482 . . . . {Thickness, height, width, length or diameter}

WARNING

Group B01D 46/2482 is incomplete pending reclassification of documents from groups B01D 46/2451, B01D 46/2455, B01D 46/2459, B01D 46/2462, B01D 46/2466, B01D 46/247, B01D 46/2474, B01D 46/2486, B01D 46/2488, B01D 46/249, B01D 46/2494 and B01D 46/2496.  
All groups listed in this Warning should be considered in order to perform a complete search.

M B01D 46/2484 . . . . {Cell density, area or aspect ratio}

WARNING

Group B01D 46/2484 is incomplete pending reclassification of documents from groups B01D 46/2451, B01D 46/2455, B01D 46/2459, B01D 46/2462, B01D 46/2466, B01D 46/247, B01D 46/2474, B01D 46/2486, B01D 46/2488, B01D 46/249, B01D 46/2494 and B01D 46/2496.  
All groups listed in this Warning should be considered in order to perform a complete search.

M B01D 46/2486 . . . . {characterised by the shapes or configurations}

WARNING

Group B01D 46/2486 is impacted by reclassification into groups B01D 46/2476, B01D 46/2478, B01D 46/248, B01D 46/2482, B01D 46/2484 and B01D 46/2492.  
All groups listed in this Warning should be considered in order to perform a complete search.

M B01D 46/2488 . . . . . {Triangular}

WARNING

Group B01D 46/2488 is impacted by reclassification into groups B01D 46/2476, B01D 46/2478, B01D 46/248, B01D 46/2482 and B01D 46/2484.  
All groups listed in this Warning should be considered in order to perform a complete search.

M B01D 46/249 . . . . . {Quadrangular e.g. square or diamond}

WARNING

Group B01D 46/249 is impacted by reclassification into groups B01D 46/2476, B01D 46/2478, B01D 46/248, B01D 46/2482 and B01D 46/2484.  
All groups listed in this Warning should be considered in order to perform a complete search.

M B01D 46/2492 . . . . . {Hexagonal}

WARNING

Group B01D 46/2492 is incomplete pending reclassification of documents from groups B01D 46/2451, B01D 46/2455, B01D 46/2459, B01D 46/2462, B01D 46/2466, B01D 46/247, B01D 46/2474 and B01D 46/2486.

All groups listed in this Warning should be considered in order to perform a complete search.

M B01D 46/2494 . . . . . {Octagonal}

**WARNING**

Group B01D 46/2494 is impacted by reclassification into groups B01D 46/2476, B01D 46/2478, B01D 46/248, B01D 46/2482 and B01D 46/2484.

All groups listed in this Warning should be considered in order to perform a complete search.

M B01D 46/2496 . . . . . {Circular}

**WARNING**

Group B01D 46/2496 is impacted by reclassification into groups B01D 46/2476, B01D 46/2478, B01D 46/248, B01D 46/2482 and B01D 46/2484.

All groups listed in this Warning should be considered in order to perform a complete search.

**Project: RP0736-F (B01D)**

U B01D 46/66 . Regeneration of the filtering material or filter elements inside the filter (B01D 46/04, B01D 46/48 take precedence)

U B01D 46/68 . . by means acting on the cake side involving movement with regard to the filter elements

**NOTE**

Groups B01D 46/68 - B01D 46/78 are only for dry processes.

M B01D 46/681 . . . by scrapers, brushes or the like

**WARNING**

Group B01D 46/681 is impacted by reclassification into group B01D 46/682.

Groups B01D 46/681 and B01D 46/682 should be considered in order to perform a complete search.

M B01D 46/682 . . . by nozzles

**WARNING**

Group B01D 46/682 is incomplete pending reclassification of documents from group B01D 46/681.

Groups B01D 46/681 and B01D 46/682 should be considered in order to perform a complete search.

**Project: N/A (B21D)**

U B21D 22/00 Shaping without cutting, by stamping, spinning, or deep-drawing (otherwise than using rigid devices or tools or yieldable or resilient pads B21D 26/00)

U B21D 22/14 . Spinning

U B21D 22/18 . . using tools guided to produce the required profile

M B21D 22/185 . . . {making **bombed domed** objects}

## Project: RP0240-F (B23B)

- M B23B 31/00 Chucks {(allowing axial oscillation of percussion tool bits [B25D 17/08](#))}; Expansion mandrels; Adaptations thereof for remote control (faceplates [B23Q 1/50](#); rotary devices holding by magnetic and/or electrical force acting directly on work [B23Q 3/152](#))
- WARNING**  
Group B23B 31/00 is impacted by reclassification into groups B23B 2231/56, B23B 2231/565, and B23B 2231/58.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M B23B 31/02
- Chucks
- WARNING**  
Group B23B 31/02 is impacted by reclassification into groups B23B 31/0261, B23B 2231/56, B23B 2231/565, and B23B 2231/58.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M B23B 31/026
- {the radial or angular position of the tool being adjustable (boring heads with tools moving radially [B23B 29/034](#); holding tools yieldably [B23B 31/08](#); with means for adjusting the chuck with respect to the working spindle [B23B 31/36](#))}
- WARNING**  
Group B23B 31/026 is impacted by reclassification into group B23B 31/0261.  
Groups B23B 31/026 and B23B 31/0261 should be considered in order to perform a complete search.
- M B23B 31/0261
- • • {for centering the tool}
- WARNING**  
Group B23B 31/0261 is incomplete pending reclassification of documents from groups B23B 31/02 and B23B 31/026.  
Groups B23B 31/02, B23B 31/026, and B23B 31/0261 should be considered in order to perform a complete search.
- U B23B 31/10
- • characterised by the retaining or gripping devices or their immediate operating means
- NOTE**  
Group [B23B 31/12](#) takes precedence over groups {[B23B 31/101](#), [B23B 31/102](#),} [B23B 31/103](#) - [B23B 31/117](#)
- M B23B 31/107
- • • Retention by laterally-acting detents, e.g. pins, screws, wedges; Retention by loose elements, e.g. balls
- WARNING**  
Group B23B 31/107 is impacted by reclassification into group B23B 31/1079.  
Groups B23B 31/107 and B23B 31/1079 should be considered in order to perform a complete search.
- M B23B 31/1072
- • • • {Retention by axially or circumferentially oriented cylindrical elements (cylindrical elements acting as jaws [B23B 31/22](#))}
- WARNING**  
Group B23B 31/1072 is impacted by reclassification into groups B23B 31/10741 and B23B 31/1079.

~~Groups B23B 31/1072, B23B 31/10741, and B23B 31/1079 should be considered in order to perform a complete search.~~

M B23B 31/10741 . . . {Retention by substantially radially oriented pins}

WARNING

~~Group B23B 31/10741 is incomplete pending reclassification of documents from group B23B 31/1072.  
Groups B23B 31/1072 and B23B 31/10741 should be considered in order to perform a complete search.~~

M B23B 31/1079 . . . {Retention by spring or wire}

WARNING

~~Group B23B 31/1079 is incomplete pending reclassification of documents from groups B23B 31/107 and B23B 31/1072.  
Groups B23B 31/107, B23B 31/1072, and B23B 31/1079 should be considered in order to perform a complete search.~~

U B23B 31/12 . . Chucks with simultaneously-acting jaws, whether or not also individually adjustable

M B23B 31/14 . . . involving the use of centrifugal force

WARNING

~~Group B23B 31/14 is impacted by reclassification into groups B23B 31/141 and B23B 31/142.  
Groups B23B 31/14, B23B 31/141 and B23B 31/142 should be considered in order to perform a complete search.~~

M B23B 31/141 . . . {To counterbalance the jaws}

WARNING

~~Group B23B 31/141 is incomplete pending reclassification of documents from group B23B 31/14.  
Groups B23B 31/14 and B23B 31/141 should be considered in order to perform a complete search.~~

M B23B 31/142 . . . {To grip a tool or workpiece}

WARNING

~~Group B23B 31/142 is incomplete pending reclassification of documents from group B23B 31/14.  
Groups B23B 31/14 and B23B 31/142 should be considered in order to perform a complete search.~~

M B23B 31/20 . . . Longitudinally-split sleeves, e.g. collet chucks

WARNING

~~Group B23B 31/20 is impacted by reclassification into groups B23B 31/2012, B23B 31/20125, B23B 31/2025, B23B 31/206, B23B 31/2072, and B23B 31/2073.  
All groups listed in this Warning should be considered in order to perform a complete search.~~

M B23B 31/201 . . . {Characterized by features relating primarily to remote control of the gripping means}

WARNING

~~Group B23B 31/201 is impacted by reclassification into groups B23B 31/2012, B23B 31/20125, B23B 31/206, B23B 31/2072, and B23B 31/2073.~~

All groups listed in this Warning should be considered in order to perform a complete search.

M B23B 31/2012 . . . . . {Threaded cam actuator}

WARNING

Groups B23B 31/2012 and B23B 31/20125 are incomplete pending reclassification of documents from groups B23B 31/20 and B23B 31/201.

All groups listed in this Warning should be considered in order to perform a complete search.

M B23B 31/202 . . . . . {Details of the jaws}

WARNING

Group B23B 31/202 is impacted by reclassification into group B23B 31/2025.

Groups B23B 31/202 and B23B 31/2025 should be considered in order to perform a complete search.

M B23B 31/2025 . . . . . {Wherein the sleeve is split into two relatively movable parts}

WARNING

Group B23B 31/2025 is incomplete pending reclassification of documents from groups B23B 31/20 and B23B 31/202.

Groups B23B 31/20, B23B 31/202, and B23B 31/2025 should be considered in order to perform a complete search.

M B23B 31/206 . . . . . {Reciprocating cam actuator ([B23B 31/207](#) takes precedence)}

WARNING

Group B23B 31/206 is incomplete pending reclassification of documents from groups B23B 31/20 and B23B 31/201.

Groups B23B 31/20, B23B 31/201, and B23B 31/206 should be considered in order to perform a complete search.

M B23B 31/207 . . . . . {using mechanical transmission through the spindle}

WARNING

Group B23B 31/207 is impacted by reclassification into groups B23B 31/2072, B23B 31/2073, B23B 2270/025, and B23B 2270/027.

All groups listed in this Warning should be considered in order to perform a complete search.

M B23B 31/2072 . . . . . {Axially moving cam, fixed jaws}

WARNING

Group B23B 31/2072 is incomplete pending reclassification of documents from groups B23B 31/20, B23B 31/201, and B23B 31/207.

All groups listed in this Warning should be considered in order to perform a complete search.

M B23B 31/2073 . . . . . {Axially fixed cam, moving jaws ([B23B 31/20125](#) takes precedence)}

WARNING

Group B23B 31/2073 is incomplete pending reclassification of documents from groups B23B 31/20, B23B 31/201, and B23B 31/207.

All groups listed in this Warning should be considered in order to perform a complete search.

<b>U</b>	<b>B23B 2231/00</b>	<b>Details of chucks, toolholder shanks or tool shanks</b>
M	B23B 2231/34	<ul style="list-style-type: none"> <li>• Jaws</li> </ul> <p><b>WARNING</b> Group B23B 2231/34 is impacted by reclassification into groups B23B 2231/341 and B23B 2231/342. Groups B23B 2231/34, B23B 2231/341, and B23B 2231/342 should be considered in order to perform a complete search.</p>
M	B23B 2231/341	<ul style="list-style-type: none"> <li>• Jaws with hard inserts</li> </ul> <p><b>WARNING</b> Group B23B 2231/341 is incomplete pending reclassification of documents from group B23B 2231/34. Groups B23B 2231/34 and B23B 2231/341 should be considered in order to perform a complete search.</p>
M	B23B 2231/342	<ul style="list-style-type: none"> <li>• Padded or cushioned jaws</li> </ul> <p><b>WARNING</b> Group B23B 2231/342 is incomplete pending reclassification of documents from group B23B 2231/34. Groups B23B 2231/34 and B23B 2231/342 should be considered in order to perform a complete search.</p>
M	B23B 2231/56	<ul style="list-style-type: none"> <li>• Chucks with more than one set of gripping means</li> </ul> <p><b>WARNING</b> Groups B23B 2231/56 and B23B 2231/565 are incomplete pending reclassification of documents from groups B23B 31/00 and B23B 31/02. All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	B23B 2231/58	<ul style="list-style-type: none"> <li>• Self-grasping, i.e., automatic grasping upon insertion of tool or workpiece</li> </ul> <p><b>WARNING</b> Group B23B 2231/58 is incomplete pending reclassification of documents from groups B23B 31/00 and B23B 31/02. Groups B23B 31/00, B23B 31/02, and B23B 2231/58 should be considered in order to perform a complete search.</p>
<b>U</b>	<b>B23B 2270/00</b>	<b>Details of turning, boring or drilling machines, processes or tools not otherwise provided for</b>
U	B23B 2270/02	<ul style="list-style-type: none"> <li>• Use of a particular power source</li> </ul>
M	B23B 2270/025	<ul style="list-style-type: none"> <li>• Hydraulics</li> </ul> <p><b>WARNING</b> Group B23B 2270/025 is incomplete pending reclassification of documents from group B23B 31/207. Groups B23B 31/207 and B23B 2270/025 should be considered in order to perform a complete search.</p>

**Project: RP10475 (B29C)**

- M B29C 64/00 Additive manufacturing, i.e. manufacturing of three-dimensional [3D] objects by additive deposition, additive agglomeration or additive layering, e.g. by 3D printing, stereolithography or selective laser sintering

**WARNING**

*Groups B29C 64/00 - B29C 64/40 are incomplete pending reclassification of documents from group G03F 7/70416.*

*All groups listed in this Warning should be considered in order to perform a complete search.*

**Project: RP0676-F (B29C)**

- M B29C 70/00 Shaping composites, i.e. plastics material comprising reinforcements, fillers or preformed parts, e.g. inserts

**NOTE**

In this group, the following terms or expressions are used with the meanings indicated:

- "reinforcement" means a structure in the form of fibres, wires, rods, bars, sections, plates or blocks, which improves the strength of an article;
- "filler" means a relatively inert substance in the form of particles, powder, beads, flakes or spheres, which improves the physical properties or increases the bulk or weight of an article;
- "preformed part" means a part made of any material, being completely shaped to have a determined form and which is not used as a reinforcement, e.g. wires or nets forced only into the surface of an article;
- "insert" means a preformed part incorporated in an article during moulding.

**WARNING**

*Group B29C 70/00 is impacted by reclassification into groups B29C 70/003—B29C 70/0035.*

*Groups B29C 70/00 and B29C 70/003—B29C 70/0035 should be considered in order to perform a complete search.*

- M B29C 70/003 • {characterised by the matrix material, e.g. material composition or physical properties}

**WARNING**

*Group B29C 70/003 is incomplete pending reclassification of documents from group B29C 70/00.*

*Groups B29C 70/00 and B29C 70/003 should be considered in order to perform a complete search.*

- M B29C 70/0035 • • {comprising two or more matrix materials}

**WARNING**

*Group B29C 70/0035 is incomplete pending reclassification of documents from group B29C 70/00.*

*Groups B29C 70/00 and B29C 70/0035 should be considered in order to perform a complete search.*

- U B29C 70/04 • comprising reinforcements only, e.g. self-reinforcing plastics

- U B29C 70/28 • • Shaping operations therefor

**NOTES**

1. This group covers:

- the shaping of a coherent fibrous reinforcements which are pre-impregnated or without binder; or of non-coherent reinforcements of fibres in a mould or on a support;

- the impregnation or introduction of a plastics matrix in reinforcements during shaping;
  - 2. This group does not cover:
    - the moulding by a single technique of plastics matrix material mixed with and containing reinforcing fibres of short length, which is covered by the appropriate place for that technique;
    - the pretreatment, e.g. impregnation, of reinforcements per se, i.e. independently of their shaping, which is covered by group [B29B 15/08](#)
- M B29C 70/30
- • • Shaping by lay-up, i.e. applying fibres, tape or broadsheet on a mould, former or core; Shaping by spray-up, i.e. spraying of fibres on a mould, former or core
- WARNING**  
~~Group B29C 70/30 is impacted by reclassification into groups B29C 70/302 – B29C 70/304.~~  
~~Groups B29C 70/30 and B29C 70/302 – B29C 70/304 should be considered in order to perform a complete search.~~
- M B29C 70/302
- • • {Details of the edges of fibre composites, e.g. edge finishing or means to avoid delamination}
- WARNING**  
~~Group B29C 70/302 is incomplete pending reclassification of documents from group B29C 70/30.~~  
~~Groups B29C 70/30 and B29C 70/302 should be considered in order to perform a complete search.~~
- M B29C 70/304
- • • {In-plane lamination by juxtaposing or interleaving of plies, e.g. scarf joining}
- WARNING**  
~~Group B29C 70/304 is incomplete pending reclassification of documents from group B29C 70/30.~~  
~~Groups B29C 70/30 and B29C 70/304 should be considered in order to perform a complete search.~~
- U B29C 70/40
- • • Shaping or impregnating by compression ([B29C 70/34](#) takes precedence) {not applied}
- U B29C 70/42
- • • for producing articles of definite length, i.e. discrete articles
- M B29C 70/46
- • • • using matched moulds, e.g. for deforming sheet moulding compounds [SMC] or prepregs
- WARNING**  
~~Group B29C 70/46 is impacted by reclassification into group B29C 70/461.~~  
~~Groups B29C 70/46 and B29C 70/461 should be considered in order to perform a complete search.~~
- M B29C 70/461
- • • • • {Rigid movable compressing mould parts acting independently from opening or closing action of the main mould}
- WARNING**  
~~Group B29C 70/461 is incomplete pending reclassification of documents from group B29C 70/46.~~  
~~Groups B29C 70/46 and B29C 70/461 should be considered in order to perform a complete search.~~

- M B29C 70/54
- • • Component parts, details or accessories; Auxiliary operations {, e.g. feeding or storage of prepregs or SMC after impregnation or during ageing}
- WARNING**  
Group B29C 70/54 is impacted by reclassification into groups B29C 70/544 and B29C 70/549.  
Groups B29C 70/54, B29C 70/544 and B29C 70/549 should be considered in order to perform a complete search.
- M B29C 70/544
- • • {Details of vacuum bags, e.g. materials or shape}
- WARNING**  
Group B29C 70/544 is incomplete pending reclassification of documents from group B29C 70/54.  
Groups B29C 70/54 and B29C 70/544 should be considered in order to perform a complete search.
- M B29C 70/549
- • • {Details of caul plates, e.g. materials or shape}
- WARNING**  
Group B29C 70/549 is incomplete pending reclassification of documents from group B29C 70/54.  
Groups B29C 70/54 and B29C 70/549 should be considered in order to perform a complete search.

**Project: RP0676-F (B29D)**

- U B29D 99/00**      **Subject matter not provided for in other groups of this subclass**
- M B29D 99/0003
- {Producing profiled members, e.g. beams}
- WARNING**  
Group B29D 99/0003 is impacted by reclassification into group B29D 99/0005.  
Groups B29D 99/0003 and B29D 99/0005 should be considered in order to perform a complete search.
- M B29D 99/0005
- {Producing noodles, i.e. composite gap fillers, characterised by their construction}
- WARNING**  
Group B29D 99/0005 is incomplete pending reclassification of documents from group B29D 99/0003.  
Groups B29D 99/0003 and B29D 99/0005 should be considered in order to perform a complete search.

**Project: RP11671 (B32B)**

- U B32B 2307/00**      **Properties of the layers or laminate**
- U B32B 2307/70
- Other properties
- U B32B 2307/732
- • Dimensional properties
- U B32B 2307/734
- • • Dimensional stability
- U B32B 2307/736
- • • • Shrinkable
- N B32B 2307/737
- • • *Dimensions, e.g. volume or area*
- N B32B 2307/7375
- • • • *Linear, e.g. length, distance or width*
- N B32B 2307/7376
- • • • • *Thickness*
- U B32B 2605/00**      **Vehicles**
- M B32B 2605/006
- Transparent parts **made from plastic material** other than made from inorganic glass, e.g. **windows polycarbonate glazings**

**Project: RP0620-F (B33Y)****M B33Y 40/00****Auxiliary operations or equipment, e.g. for material handling****WARNING**

Group B33Y 40/00 is impacted by reclassification into groups B33Y 40/10 and B33Y 40/20.

Groups B33Y 40/00, B33Y 40/10, and B33Y 40/20 should be considered in order to perform a complete search.

**M B33Y 40/10**

- Pre-treatment

**WARNING**

Group B33Y 40/10 is incomplete pending reclassification of documents from group B33Y 40/00.

Groups B33Y 40/00 and B33Y 40/10 should be considered in order to perform a complete search.

**M B33Y 40/20**

- Post-treatment, e.g. curing, coating or polishing

**WARNING**

Group B33Y 40/20 is incomplete pending reclassification of documents from group B33Y 40/00.

Groups B33Y 40/00 and B33Y 40/20 should be considered in order to perform a complete search.

**M B33Y 70/00****Materials specially adapted for additive manufacturing****WARNING**

Group B33Y 70/00 is impacted by reclassification into group B33Y 70/10.

Groups B33Y 70/00 and B33Y 70/10 should be considered in order to perform a complete search.

**M B33Y 70/10**

- Composites of different types of material, e.g. mixtures of ceramics and polymers or mixtures of metals and biomaterials

**WARNING**

Group B33Y 70/10 is incomplete pending reclassification of documents from group B33Y 70/00.

Groups B33Y 70/00 and B33Y 70/10 should be considered in order to perform a complete search.

## Project: MP11660 (B62D)

**U B62D** **MOTOR VEHICLES; TRAILERS** (steering, or guiding on a desired track, of agricultural machines or implements [A01B 69/00](#); wheels, castors, axles, increasing wheel adhesion [B60B](#); vehicle tyres, tyre inflation or tyre changing [B60C](#); connections between vehicles of a train or the like [B60D](#); vehicles for use on rail and road, amphibious or convertible vehicles [B60F](#); suspension arrangements [B60G](#); heating, cooling, ventilating or other air treating devices [B60H](#); windows, windscreens, non-fixed roofs, doors or similar devices, protective coverings for vehicles not in use [B60J](#); propulsion plant arrangements, auxiliary drives, transmissions, controls, instrumentation or dashboards [B60K](#); electric equipment or propulsion of electrically-propelled vehicles [B60L](#); power supply for electrically-propelled vehicles [B60M](#); passenger accommodation not otherwise provided for [B60N](#); adaptations for load transportation or to carry special loads or objects [B60P](#); arrangement of signalling or lighting devices, the mounting or supporting thereof or circuits therefor, for vehicles in general [B60Q](#); vehicles, vehicle fittings or vehicle parts not otherwise provided for [B60R](#); servicing, cleaning, repairing, supporting, lifting, or manoeuvring, not otherwise provided for, [B60S](#); brake arrangements, brake control systems or parts thereof [B60T](#); air-cushion vehicles [B60V](#); motor-cycles, accessories therefor [B62J](#), [B62K](#); testing of vehicles [G01M](#))

NOTE

In this subclass, the following terms are used with the meanings indicated:

- "vehicles" include motor vehicles and trailers;
- "trailers" include forecars or sidecars.

WARNINGS

1.

The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

<a href="#">B62D 25/13</a>	covered by	<a href="#">B60J 1/20</a> , <a href="#">B60R 13/07</a>
<a href="#">B62D 25/22</a>	covered by	<a href="#">B60R 3/00</a>
<a href="#">B62D 65/08</a>	covered by	<a href="#">B60J 10/45</a>
<a href="#">B62D 101/00-B62D 137/00</a>	covered by	<a href="#">B62D 6/00</a> - <a href="#">B62D 6/008</a>

2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

**M B62D 1/00 -**  
**B62D 19/00**  
**B62D 15/00**

**Steering of motor vehicles or trailers**NOTE

~~Steering devices acting on ground-engaging wheels, endless tracks or the like and also applicable to aircraft are classified in B62D 1/00 and relevant subsequent groups; these groups take precedence over B64C; These elaborations also embrace steering of vehicles in general but applicable to land vehicles~~

**U B62D 1/00**

**Steering controls, i.e. means for initiating a change of direction of the vehicle**

- U B62D 1/02
  - vehicle-mounted
- U B62D 1/04
  - • Hand wheels
- U B62D 1/06
  - • • Rims, e.g. with heating means; Rim covers ([B62D 1/11](#) takes precedence)
- M B62D 1/065
  - • • • {Steering wheels with heating and ventilating means (~~heating and ventilating arrangements for spaces of vehicles B60H~~*heating and ventilation of steering wheel when connected to vehicle HVAC* [B60H 1/00292](#))}

- U B62D 1/10
  - • • Hubs; Connecting hubs to steering columns, e.g. adjustable ([B62D 1/11](#) takes precedence)
- M B62D 1/105
  - • • • {Non-rotatable hubs, e.g. the central part of the steering wheel not rotating ~~(for storing airbags B60R 21/2032)~~}
- U B62D 1/16
  - • Steering columns
- M B62D 1/166
  - • • {Means changing the transfer ratio between steering wheel and steering gear ~~(by continuous supply of energy, e.g. from electric motor B62D 5/008; controlling steering depending on driving conditions sensed and responded to B62D 6/00)~~}
- U B62D 1/18
  - • • yieldable or adjustable, e.g. tiltable (padded linings associated with the steering column [B60R 21/05](#))

NOTE  
Group [B62D 1/181](#) takes precedence over groups [B62D 1/183](#) - [B62D 1/187](#).
- M B62D 1/184
  - • • • Mechanisms for locking columns at selected positions ~~{(locking of telescopic systems in general F16B 7/10)}~~
- M B62D 1/24
  - not vehicle-mounted ~~{(special adaptations of automatic tractor steering A01B 69/008; devices for lifting, movable on wheels, automatically guided B66F 9/063)}~~
- M B62D 1/28
  - • non-mechanical {, e.g. following a line or other known markers ~~(steering position indicators B62D 15/02; steering aids B62D 15/025; parking aids B62D 15/027; steering assistants B62D 15/029; determination or calculation of trajectory of land vehicles G05D 1/021, B60W 60/0027)}~~
- M B62D 5/00**

**Power-assisted or power-driven steering (~~{controlling steering depending on driving conditions sensed and responded to B62D 6/00; }~~ for non-deflectable wheels [B62D 11/00](#); ~~fluid pressure servomotors in general F15B; fluid-pressure servomotors in general F15B)~~)**
- M B62D 5/001
  - {Mechanical *components or* aspects of steer-by-wire systems, not otherwise provided *for in B62D 5/00 this main group*} ~~(hydraulic steer-by-wire systems B62D 5/091)}~~
- M B62D 5/005
  - • {means for generating torque on steering wheel *or input member*, e.g. feedback}
- M B62D 5/006
  - • • {power actuated ~~(control thereof B62D 6/008)}~~}
- U B62D 5/04
  - electrical, e.g. using an electric servo-motor connected to, or forming part of, the steering gear
- U B62D 5/0442
  - • {Conversion of rotational into longitudinal movement}
- M B62D 5/0445
  - • • {Screw drives ~~(screw mechanisms in general F16H 25/20)}~~}
- M B62D 5/0457
  - • {characterised by control features of the drive means as such ~~(controlling steering depending on driving conditions sensed and responded to B62D 6/00; determination of steering angle B62D 15/021; measuring torque applied to steering wheels G01L 5/221; control of electric motor as such H02P)}~~}
- U B62D 5/046
  - • • {Controlling the motor}
- M B62D 5/0463
  - • • • {~~for generating assisting torque~~ *calculating assisting torque from the motor based on driver input*}
- U B62D 5/06
  - fluid, i.e. using a pressurised fluid for most or all the force required for steering a vehicle
- U B62D 5/07
  - • Supply of pressurised fluid for steering also supplying other consumers {; control thereof}
- M B62D 5/075
  - • • {using priority valves ~~(priority valves in general F15B 13/022)}~~}

- U B62D 5/08      • • characterised by type of {steering} valve used (valves in general [F16K](#))
- U B62D 5/083     • • • Rotary valves
- M B62D 5/0835   • • • • {characterised by means for actively **limiting/influencing** the deflection angle **of the valve**, e.g. depending on driving parameters ~~{controlling steering depending on driving conditions sensed and responded to B62D-6/00}}~~
- U B62D 5/20      • • specially adapted for particular type of steering gear or particular application (steering gears *per se* [B62D 3/00](#); steering linkages not characterised by being power-assisted or power-driven [B62D 7/00](#))
- M B62D 5/22      • • • for rack-and-pinion type ~~{(pressure yokes B62D-3/123)}~~
- U B62D 6/00**     **Arrangements for automatically controlling steering depending on driving conditions sensed and responded to, e.g. control circuits (means for initiating a change in direction [B62D 1/00](#); steering valves [B62D 5/06](#); combined with means for inclining the vehicle body or wheels on bends [B62D 9/00](#))**
- NOTE
- When classifying in this group, classification is also made in the appropriate one of groups [B62D 1/00](#) - [B62D 5/00](#) or [B62D 7/00](#) - [B62D 19/00](#) if other aspects of the steering system are of interest
- U B62D 6/002     • {computing target steering angles for front or rear wheels ([B62D 7/159](#) takes precedence)}
- M B62D 6/003     • • {in order to control vehicle yaw movement, i.e. around a vertical axis ([B62D 6/007](#) **take/takes** precedence; ~~stability systems acting on the brakes B60T-8/1755~~)}
- U B62D 7/00**     **Steering linkage; Stub axles or their mountings ([B62D 13/00](#) takes precedence; power-assisted or power-driven steering [B62D 5/00](#))**
- U B62D 7/06      • for individually-pivoted wheels, e.g. on king-pins
- U B62D 7/14      • • the pivotal axes being situated in more than one plane transverse to the longitudinal centre line of the vehicle, e.g. all-wheel steering
- M B62D 7/146     • • • {characterised by comprising means for steering by acting on the suspension system, e.g. on the mountings of the suspension arms ~~{(means on vehicle for adjusting camber, castor or toe-in B62D-17/00)}~~
- U B62D 7/15      • • • characterised by means varying the ratio between the steering angles of the steered wheels ~~{(B62D 7/148 takes precedence)}~~
- U B62D 7/1518    • • • • {comprising a mechanical interconnecting system between the steering control means of the different axles}
- M B62D 7/1536    • • • • • {provided with hydraulic assistance}; ~~{(power-assisted fluid steering per se B62D-5/06)}~~
- M B62D 7/1545    • • • • • {provided with electrical assistance}; ~~{(power-assisted electrical steering per se B62D-5/04)}~~
- M B62D 7/1554    • • • • • {comprising a fluid interconnecting system between the steering control means of the different axles}; ~~{(power-assisted fluid steering per se B62D-5/06)}~~
- M B62D 7/1563    • • • • • {provided with fluid control means ([B62D 7/1572](#) **takes precedence**)}; ~~{(B62D-7/1572 takes precedence)}~~
- M B62D 7/1581    • • • • • {characterised by comprising an electrical interconnecting system between the steering control means of the different axles}; ~~{(power-assisted electrical steering per se B62D-5/04)}~~
- M B62D 7/16      • Arrangement of linkage connections (pivots *per se* [F16C](#) ~~{; e.g. ball joints F16C-11/06}~~)

- M B62D 7/166
- {substantially perpendicular, e.g. between tie-rod and steering knuckle ~~(steering knuckles in general B62D 7/18)~~}
- M B62D 7/22
- Arrangements for reducing or eliminating reaction, e.g. vibration, from parts, e.g. wheels, of the steering system ~~((dampers in general F16F))~~}
- U B62D 11/00**
- Steering non-deflectable wheels; Steering endless tracks or the like**
- NOTE
- Gearings of interest apart from this application are also classified in the relevant group of subclass [F16H](#) covering gearings per se
- M B62D 11/001
- {control systems ([B62D 11/183](#) takes precedence)}
- NOTE
- {When classifying in this group, classification is also made in the appropriate one of groups [B62D 11/02](#) - [B62D 11/24](#) if other aspects of the steering system are of interest}
- U B62D 11/02
- by differentially driving ground-engaging elements on opposite vehicle sides
- U B62D 11/06
- • by means of a single main power source
- M B62D 11/10
- • • using gearings with differential power outputs on opposite sides, e.g. ~~with twin-differential or epicyclic gears ((arrangements or mounting of transmissions in vehicles B60K 17/00; gearing in general F16H))~~}
- M B62D 11/105
- • • {using variable ratio belt and pulley gearings ~~(gearing for conveying rotary motion by endless flexible members F16H 7/00, F16H 9/00)~~}
- U B62D 15/00**
- Steering not otherwise provided for**
- U B62D 15/02
- Steering position indicators {; Steering position determination; Steering aids}
- M B62D 15/021
- • {Determination of steering angle ~~(sensors in general G01B)~~}
- M B62D 15/025
- • {Active steering aids, e.g. helping the driver by actively influencing the steering system after environment evaluation ([B62D 1/28](#) takes precedence; ~~parking aids B62D 15/027~~)}
- M B62D 15/029
- • {Steering assistants using warnings or proposing actions to the driver without influencing the steering system ~~(parking aids B62D 15/027, determination or calculation of trajectory of land vehicles G05D 1/021, B60W 60/0027, image processing G06T)~~}

**Project: MP10334 (B64C)**

- U B64C 1/00**
- Fuselages; Constructional features common to fuselages, wings, stabilising surfaces or the like**
- WARNING
- Group [B64C 1/00](#) is impacted by reclassification into groups [B64U 10/00](#) - [B64U 10/80](#), [B64U 20/00](#) - [B64U 20/98](#), [B64U 30/00](#) - [B64U 30/40](#), [B64U 40/00](#) - [B64U 40/20](#), [B64U 50/00](#) - [B64U 50/39](#), [B64U 60/00](#) - [B64U 60/70](#), [B64U 70/00](#) - [B64U 70/99](#) and [B64U 80/00](#) - [B64U 80/86](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- U B64C 1/06
- Frames; Stringers; Longerons {; Fuselage sections}
- WARNING
- Group [B64C 1/06](#) is impacted by reclassification into groups [B64U 10/00](#) - [B64U 10/80](#), [B64U 20/00](#) - [B64U 20/98](#), [B64U 30/00](#)-[B64U 30/40](#), [B64U 40/00](#) - [B64U 40/20](#), [B64U 50/00](#) - [B64U 50/39](#), [B64U 60/00](#)-[B64U 60/70](#), [B64U 70/00](#) - [B64U 70/99](#) and [B64U 80/00](#) - [B64U 80/86](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- U B64C 1/061
- {Frames}
- WARNING**
- Group [B64C 1/061](#) is impacted by reclassification into groups [B64U 10/00](#) - [B64U 10/80](#), [B64U 20/00](#) - [B64U 20/98](#), [B64U 30/00](#)-[B64U 30/40](#), [B64U 40/00](#) - [B64U 40/20](#), [B64U 50/00](#) - [B64U 50/39](#), [B64U 60/00](#)-[B64U 60/70](#), [B64U 70/00](#) - [B64U 70/99](#) and [B64U 80/00](#) - [B64U 80/86](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- M B64C 1/063
- • {Folding or collapsing to reduce overall dimensions, e.g. foldable tail booms (~~folding or collapsing wings B64C 3/56~~)}
- WARNING**
- Group [B64C 1/063](#) is impacted by reclassification into groups [B64U 10/00](#) - [B64U 10/80](#), [B64U 20/00](#) - [B64U 20/98](#), [B64U 30/00](#) - [B64U 30/40](#), [B64U 40/00](#) - [B64U 40/20](#), [B64U 50/00](#) - [B64U 50/39](#), [B64U 60/00](#) - [B64U 60/70](#), [B64U 70/00](#) - [B64U 70/99](#) and [B64U 80/00](#) - [B64U 80/86](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- M B64C 1/22
- Other structures integral with fuselages to facilitate loading {, e.g. cargo bays, cranes-~~(cargo door type ramps B64C 1/1415)~~}
- M B64C 1/38
- Constructions adapted to reduce effects of aerodynamic or other external heating ~~{(cooling structural parts of aircrafts with air flow B64D 13/006)}~~
- U B64C 1/40
- Sound or heat insulation {, e.g. using insulation blankets}
- M B64C 1/403
- {Arrangement of fasteners specially adapted therefor, e.g. of clips-~~(in vehicles in general B60R 13/0206)~~}
- M B64C 1/406
- • {in combination with supports for lines, e.g. for pipes or cables ~~(arrangement of elements of electric or fluid circuits specially adapted for vehicles, in general B60R 16/00; supports for pipes, cables or protective tubing F16L 3/00; installations of electric cables or lines in vehicles H02G 3/00)}~~}
- U B64C 3/00**
- Wings (ornithopter wings [B64C 33/02](#))**
- M B64C 3/36
- Structures adapted to reduce effects of aerodynamic or other external heating ~~{(cooling structural parts of aircrafts with air flow B64D 13/006)}~~
- U B64C 11/00**
- Propellers, e.g. of ducted type; Features common to propellers and rotors for rotorcraft**
- NOTE**
- Documents classified in [B64C 11/001](#) - [B64C 11/008](#) which also contain relevant information, covered by other subgroups of [B64C 11/00](#), are also classified in the appropriate subgroup of [B64C 11/00](#)
- M B64C 11/008
- {characterised by vibration absorbing or balancing means-~~(for rotorcraft B64C 27/001)}~~}
- U B64C 25/00**
- Lighting gear (air-cushion alighting gear [B60V 3/08](#))**
- U B64C 25/32
- characterised by elements which contact the ground or similar surface (arrester hooks [B64C 25/68](#))
- M B64C 25/405
- • {Powered wheels, e.g. for taxiing}
- U B64C 25/42
- • Arrangement or adaptation of brakes

M B64C 25/423 · · · {Braking devices acting by reaction of gaseous medium-~~(B64C-25/426 takes precedence;-using rockets-B64D-27/023)}~~}

**U B64C 27/00 Rotorcraft; Rotors peculiar thereto**

U B64C 27/32 · Rotors

U B64C 27/46 · · Blades

M B64C 27/467 · · · Aerodynamic features-~~{{(B64C-27/463 takes precedence)}}~~

M B64C 27/473 · · · Constructional features-~~{{(B64C-27/463 takes precedence)}}~~

**M B64C 30/00 Supersonic- type aircraft**

**U B64C 39/00 Aircraft not otherwise provided for**

WARNING

Group [B64C 39/00](#) is impacted by reclassification into groups [B64U 10/00](#) - [B64U 10/80](#), [B64U 20/00](#) - [B64U 20/98](#), [B64U 30/00](#), [B64U 30/10](#)-[B64U 30/16](#), [B64U 30/20](#)-[B64U 30/299](#), [B64U 30/30](#), [B64U 30/40](#), [B64U 40/00](#) - [B64U 40/20](#), [B64U 50/00](#) - [B64U 50/39](#), [B64U 60/00](#) - [B64U 60/70](#), [B64U 70/00](#) - [B64U 70/99](#) and [B64U 80/00](#) - [B64U 80/86](#).

All groups listed in this Warning should be considered in order to perform a complete search.

M B64C 39/06 · having disc- or ring-shaped wings-~~{{(B64C-39/001 takes precedence)}}~~

M B64C 39/10 · All-wing aircraft-~~{{(B64C-39/001 takes precedence)}}~~

M B64C 2039/105 ·  {of blended wing body type}

**Project: RP0563-F (C04B)**

**M C04B 12/00 Cements not provided for in groups [C04B 7/00](#) - [C04B 11/00](#)**

WARNING

Group ~~C04B 12/00~~ is impacted by reclassification into group ~~C04B 12/007~~. Groups ~~C04B 12/00~~ and ~~C04B 12/007~~ should be considered in order to perform a complete search.

M C04B 12/007 · {Non-hydraulic cements containing low lime calcium silicate phases, e.g. wollastonite, pseudowollastonite, rankinite or cements curable in the presence of CO<sub>2</sub>}

WARNING

Group ~~C04B 12/007~~ is incomplete pending reclassification of documents from group ~~C04B 12/00~~. Groups ~~C04B 12/00~~ and ~~C04B 12/007~~ should be considered in order to perform a complete search.

**U C04B 22/00 Use of inorganic materials as active ingredients for mortars, concrete or artificial stone, e.g. accelerators {, shrinkage compensating agents}**

M C04B 22/0086 · {Seeding materials}

WARNING

Group ~~C04B 22/0086~~ is impacted by reclassification into groups ~~C04B 22/00863~~ and ~~C04B 22/00867~~. Groups ~~C04B 22/0086~~, ~~C04B 22/00863~~ and ~~C04B 22/00867~~ should be considered in order to perform a complete search.

M C04B 22/00863 · · {Calcium silicate hydrate}

WARNING

Group ~~C04B 22/00863~~ is incomplete pending reclassification of documents from group ~~C04B 22/0086~~.

Groups C04B 22/0086 and C04B 22/00863 should be considered in order to perform a complete search.

M C04B 22/00867 · · {Ettringite}

**WARNING**

Group C04B 22/00867 is incomplete pending reclassification of documents from group C04B 22/0086.

Groups C04B 22/0086 and C04B 22/00867 should be considered in order to perform a complete search.

**U C04B 26/00** Compositions of mortars, concrete or artificial stone, containing only organic binders {, e.g. polymer or resin concrete (mechanical aspects of moulding polymer or resin concrete [B29C 67/242](#))}

U C04B 26/02 · Macromolecular compounds

M C04B 26/28 · · Polysaccharides or derivatives thereof

**WARNING**

Group C04B 26/28 is incomplete pending reclassification of documents from group C04B 26/285.

Groups C04B 26/285 and C04B 26/28 should be considered in order to perform a complete search.

M C04B 26/285 · · · {Cellulose or derivatives thereof ([C04B 26/24](#) takes precedence)}

**WARNING**

Group C04B 26/285 is impacted by reclassification into group C04B 26/28. Groups C04B 26/285 and C04B 26/28 should be considered in order to perform a complete search.

**Project: RP0337-F (C08J)**

**U C08J 5/00** Manufacture of articles or shaped materials containing macromolecular substances (manufacture of semi-permeable membranes [B01D 67/00](#) - [B01D 71/00](#))

M C08J 5/24 · Impregnating materials with prepolymers which can be polymerised in situ, e.g. manufacture of prepregs

**NOTE**

{In groups [C08J 5/24](#) - [C08J 5/249](#), the last place priority rule is not applied, i.e. the common rule is applied.}

**WARNING**

Group C08J 5/24 is impacted by reclassification into groups C08J 5/24, C08J 5/241, C08J 5/242, C08J 5/243, C08J 5/244, C08J 5/245, C08J 5/246, C08J 5/247, C08J 5/248 and C08J 5/249.

All groups listed in this Warning should be considered in order to perform a complete search.

M C08J 5/241 · · {using inorganic fibres}

**WARNING**

Group C08J 5/241 is incomplete pending reclassification of documents from group C08J 5/24.

Groups C08J 5/24 and C08J 5/241 should be considered in order to perform a complete search.

- M C08J 5/242
- • • {using metal fibres}
- WARNING  
Group C08J 5/242 is incomplete pending reclassification of documents from group C08J 5/24.  
Groups C08J 5/24 and C08J 5/242 should be considered in order to perform a complete search.
- M C08J 5/243
- • • {using carbon fibres}
- WARNING  
Group C08J 5/243 is incomplete pending reclassification of documents from group C08J 5/24.  
Groups C08J 5/24 and C08J 5/243 should be considered in order to perform a complete search.
- M C08J 5/244
- • • {using glass fibres}
- WARNING  
Group C08J 5/244 is incomplete pending reclassification of documents from group C08J 5/24.  
Groups C08J 5/24 and C08J 5/244 should be considered in order to perform a complete search.
- M C08J 5/245
- • {using natural fibres}
- WARNING  
Group C08J 5/245 is incomplete pending reclassification of documents from group C08J 5/24.  
Groups C08J 5/24 and C08J 5/245 should be considered in order to perform a complete search.
- M C08J 5/246
- • {using polymer based synthetic fibres}
- WARNING  
Group C08J 5/246 is incomplete pending reclassification of documents from group C08J 5/24.  
Groups C08J 5/24 and C08J 5/246 should be considered in order to perform a complete search.
- M C08J 5/247
- • {using fibres of at least two types}
- WARNING  
Group C08J 5/247 is incomplete pending reclassification of documents from group C08J 5/24.  
Groups C08J 5/24 and C08J 5/247 should be considered in order to perform a complete search.
- M C08J 5/248
- • {using pre-treated fibres}
- WARNING  
Group C08J 5/248 is incomplete pending reclassification of documents from group C08J 5/24.  
Groups C08J 5/24 and C08J 5/248 should be considered in order to perform a complete search.
- M C08J 5/249
- • {characterised by the additives used in the prepolymer mixture}
- WARNING  
Group C08J 5/249 is incomplete pending reclassification of documents from group C08J 5/24.

~~Groups C08J 5/24 and C08J 5/249 should be considered in order to perform a complete search.~~

**Project: RP0360-F (C09K)**

**U C09K 11/00 Luminescent, e.g. electroluminescent, chemiluminescent materials**

U C09K 11/08 • containing inorganic luminescent materials

NOTES

1. In groups [C09K 11/08](#) - [C09K 11/897](#), in the absence of an indication to the contrary, classification of materials is made in the last appropriate place
2. { In this group, magnesium is considered as an alkaline earth metal }

WARNING

Groups [C09K 11/0805](#) - [C09K 11/0894](#), with the exception of [C09K 11/0883](#) for classifying nitrides, are no longer used for classification of new documents. The backlog of this group is being continuously reclassified to subgroups [C09K 11/54](#) - [C09K 11/897](#)

U C09K 11/77 • • containing rare earth metals

M C09K 11/7706 • • • {Aluminates}

WARNING

~~Group C09K 11/7706 is impacted by reclassification into groups C09K 11/77062 – C09K 11/77068. All groups listed in this Warning should be considered in order to perform a complete search.~~

M C09K 11/77062 • • • {Silicates}

WARNING

~~Group C09K 11/77062 is incomplete pending reclassification of documents from group C09K 11/7706. All groups listed in this Warning should be considered in order to perform a complete search.~~

M C09K 11/77064 • • • {Aluminosilicates}

WARNING

~~Group C09K 11/77064 is incomplete pending reclassification of documents from group C09K 11/7706. All groups listed in this Warning should be considered in order to perform a complete search.~~

M C09K 11/77066 • • • {Aluminium Nitrides or Aluminium Oxynitrides}

WARNING

~~Group C09K 11/77066 is incomplete pending reclassification of documents from group C09K 11/7706. All groups listed in this Warning should be considered in order to perform a complete search.~~

M C09K 11/77067 • • • {Silicon Nitrides or Silicon Oxynitrides}

WARNING

~~Group C09K 11/77067 is incomplete pending reclassification of documents from group C09K 11/7706. All groups listed in this Warning should be considered in order to perform a complete search.~~

- M C09K 11/77068 . . . {Silicon Aluminium Nitrides or Silicon Aluminium Oxynitrides}  
WARNING  
 Group C09K 11/77068 is incomplete pending reclassification of documents from group C09K 11/7706.-  
 All groups listed in this Warning should be considered in order to perform a complete search.
- U C09K 11/7715 . . . {containing cerium}
- M C09K 11/7721 . . . {Aluminates}  
WARNING  
 Group C09K 11/7721 is impacted by reclassification into groups C09K 11/77212 - C09K 11/77218.-  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M C09K 11/77212 . . . {Silicates}  
WARNING  
 Group C09K 11/77212 is incomplete pending reclassification of documents from group C09K 11/7721.-  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M C09K 11/77214 . . . {Aluminosilicates}  
WARNING  
 Group C09K 11/77214 is incomplete pending reclassification of documents from group C09K 11/7721.-  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M C09K 11/77216 . . . {Aluminium Nitrides or Aluminium Oxynitrides}  
WARNING  
 Group C09K 11/77216 is incomplete pending reclassification of documents from group C09K 11/7721.-  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M C09K 11/77217 . . . {Silicon Nitrides or Silicon Oxynitrides}  
WARNING  
 Group C09K 11/77217 is incomplete pending reclassification of documents from group C09K 11/7721.-  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M C09K 11/77218 . . . {Silicon Aluminium Nitrides or Silicon Aluminium Oxynitrides}  
WARNING  
 Group C09K 11/77218 is incomplete pending reclassification of documents from group C09K 11/7721.-  
 All groups listed in this Warning should be considered in order to perform a complete search.
- U C09K 11/7728 . . . {containing europium}

M	C09K 11/7734	. . . {Aluminates}	<u>WARNING</u> Group C09K 11/7734 is impacted by reclassification into groups C09K 11/77342 – C09K 11/77348. All groups listed in this Warning should be considered in order to perform a complete search.
M	C09K 11/77342	. . . {Silicates}	<u>WARNING</u> Group C09K 11/77342 is incomplete pending reclassification of documents from group C09K 11/7734. All groups listed in this Warning should be considered in order to perform a complete search.
M	C09K 11/77344	. . . {Aluminosilicates}	<u>WARNING</u> Group C09K 11/77344 is incomplete pending reclassification of documents from group C09K 11/7734. All groups listed in this Warning should be considered in order to perform a complete search.
M	C09K 11/77346	. . . {Aluminium Nitrides or Aluminium Oxynitrides}	<u>WARNING</u> Group C09K 11/77346 is incomplete pending reclassification of documents from group C09K 11/7734. All groups listed in this Warning should be considered in order to perform a complete search.
M	C09K 11/77347	. . . {Silicon Nitrides or Silicon Oxynitrides}	<u>WARNING</u> Group C09K 11/77347 is incomplete pending reclassification of documents from group C09K 11/7734. All groups listed in this Warning should be considered in order to perform a complete search.
M	C09K 11/77348	. . . {Silicon Aluminium Nitrides or Silicon Aluminium Oxynitrides}	<u>WARNING</u> Group C09K 11/77348 is incomplete pending reclassification of documents from group C09K 11/7734. All groups listed in this Warning should be considered in order to perform a complete search.
U	C09K 11/7743	. . . {containing terbium}	
M	C09K 11/7749	. . . {Aluminates}	<u>WARNING</u> Group C09K 11/7749 is impacted by reclassification into groups C09K 11/77492 – C09K 11/77498. All groups listed in this Warning should be considered in order to perform a complete search.
M	C09K 11/77492	. . . {Silicates}	<u>WARNING</u> Group C09K 11/77492 is incomplete pending reclassification of documents from group C09K 11/7749.

		<p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	C09K 11/77494	<ul style="list-style-type: none"><li>. . . {Aluminosilicates}</li></ul> <p><u>WARNING</u> Group C09K 11/77494 is incomplete pending reclassification of documents from group C09K 11/7749.- All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	C09K 11/77496	<ul style="list-style-type: none"><li>. . . {Aluminium Nitrides or Aluminium Oxynitrides}</li></ul> <p><u>WARNING</u> Group C09K 11/77496 is incomplete pending reclassification of documents from group C09K 11/7749.- All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	C09K 11/77497	<ul style="list-style-type: none"><li>. . . {Silicon Nitrides or Silicon Oxynitrides}</li></ul> <p><u>WARNING</u> Group C09K 11/77497 is incomplete pending reclassification of documents from group C09K 11/7749.- All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	C09K 11/77498	<ul style="list-style-type: none"><li>. . . {Silicon Aluminium Nitrides or Silicon Aluminium Oxynitrides}</li></ul> <p><u>WARNING</u> Group C09K 11/77498 is incomplete pending reclassification of documents from group C09K 11/7749.- All groups listed in this Warning should be considered in order to perform a complete search.</p>
U	C09K 11/7766	<ul style="list-style-type: none"><li>. . . {containing two or more rare earth metals}</li></ul>
M	C09K 11/7774	<ul style="list-style-type: none"><li>. . . {Aluminates}</li></ul> <p><u>WARNING</u> Group C09K 11/7774 is impacted by reclassification into groups C09K 11/77742 - C09K 11/77748.- All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	C09K 11/77742	<ul style="list-style-type: none"><li>. . . {Silicates}</li></ul> <p><u>WARNING</u> Group C09K 11/77742 is incomplete pending reclassification of documents from group C09K 11/7774.- All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	C09K 11/77744	<ul style="list-style-type: none"><li>. . . {Aluminosilicates}</li></ul> <p><u>WARNING</u> Group C09K 11/77744 is incomplete pending reclassification of documents from group C09K 11/7774.- All groups listed in this Warning should be considered in order to perform a complete search.</p>

- M C09K 11/77746 . . . {Aluminium Nitrides or Aluminium Oxynitrides}  
WARNING  
 Group C09K 11/77746 is incomplete pending reclassification of documents from group C09K 11/7774.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M C09K 11/77747 . . . {Silicon Nitrides or Silicon Oxynitrides}  
WARNING  
 Group C09K 11/77747 is incomplete pending reclassification of documents from group C09K 11/7774.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M C09K 11/77748 . . . {Silicon Aluminium Nitrides or Silicon Aluminium Oxynitrides}  
WARNING  
 Group C09K 11/77748 is incomplete pending reclassification of documents from group C09K 11/7774.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- U C09K 11/77783 . . . {containing two or more rare earth metals one of which being europium}
- M C09K 11/7792 . . . {Aluminates}  
WARNING  
 Group C09K 11/7792 is impacted by reclassification into groups C09K 11/77922 – C09K 11/77928.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M C09K 11/77922 . . . {Silicates}  
WARNING  
 Group C09K 11/77922 is incomplete pending reclassification of documents from group C09K 11/7792.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M C09K 11/77924 . . . {Aluminosilicates}  
WARNING  
 Group C09K 11/77924 is incomplete pending reclassification of documents from group C09K 11/7792.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M C09K 11/77926 . . . {Aluminium Nitrides or Aluminium Oxynitrides}  
WARNING  
 Group C09K 11/77926 is incomplete pending reclassification of documents from group C09K 11/7792.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M C09K 11/77927 . . . {Silicon Nitrides or Silicon Oxynitrides}  
WARNING  
 Group C09K 11/77927 is incomplete pending reclassification of documents from group C09K 11/7792.

All groups listed in this Warning should be considered in order to perform a complete search.

M C09K 11/77928 . . . {Silicon Aluminium Nitrides or Silicon Aluminium Oxynitrides}

WARNING

Group C09K 11/77928 is incomplete pending reclassification of documents from group C09K 11/7792.

All groups listed in this Warning should be considered in order to perform a complete search.

Project: N/A (C10B)

M C10B

**DESTRUCTIVE DISTILLATION OF CARBONAGEOUS CARBONACEOUS MATERIALS FOR PRODUCTION OF GAS, COKE, TAR, OR SIMILAR MATERIALS (cracking oils [C10G](#); underground gasification of minerals [E21B 43/295](#))**

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

Project: RP10429 (C12N)

U C12N 5/00

**Undifferentiated human, animal or plant cells, e.g. cell lines; Tissues; Cultivation or maintenance thereof; Culture media therefor; (plant reproduction by tissue culture techniques [A01H 4/00](#))**

NOTE

In this group, the following words are used with the meanings indicated:

- a "totipotent" cell can differentiate into all somatic lineages (ectoderm, mesoderm, endoderm), the germ line and extra-embryonic tissues such as the placenta;
- a "pluripotent" cell is a somatic stem cell which can differentiate into cells of at least two of the three somatic lineages (ectoderm, mesoderm, endoderm);
- a "multipotent" cell is restricted to one lineage;
- "progenitor" and "precursor" cells are further restricted within the lineage. If not explicitly foreseen, totipotent cells are classified with pluripotent cells. Multipotent cells should not be classified with pluripotent cells. Unless provided for otherwise, committed progenitors are classified with their progeny.

U C12N 5/06

• {Animal cells or tissues; Human cells or tissues (preservation of living cells or tissues [A01N 1/02](#))}

NOTE

{In this group, the following words are used with the meanings indicated:

- a "totipotent" cell can differentiate into all somatic lineages (ectoderm, mesoderm, endoderm), the germ line and extra-embryonic tissues such as the placenta;
- a "pluripotent" cell is a somatic stem cell which can differentiate into cells of at least two of the three somatic lineages (ectoderm, mesoderm, endoderm);
- a "multipotent" cell is restricted to one lineage.

"Progenitor" and "precursor" cells are further restricted within the lineage. If not explicitly foreseen, totipotent cells are classified with pluripotent cells. Multipotent cells should not be classified with pluripotent cells. The last place priority rule does not apply between the subgroups of this group}

- U C12N 5/0602 . . {Vertebrate cells}
- NOTE  
Three-dimensional culture, tissue culture or organ culture are classified with the corresponding cells, if not specially provided for
- C C12N 5/0634 . . . {Cells from the blood or the immune system}
- NOTE  
Committed progenitors are classified with their progeny
- WARNING  
*Group C12N 5/0634 is impacted by reclassification into groups [A61K 39/46](#), [A61K 39/461 - A61K 39/46484](#) and [A61K 2239/00 - A61K 2239/59](#). All groups listed in this Warning should be considered in order to perform a complete search.*
- C C12N 5/0635 . . . . {B lymphocytes}
- WARNING  
*Group C12N 5/0635 is impacted by reclassification into groups [A61K 39/46](#), [A61K 39/461 - A61K 39/46484](#) and [A61K 2239/00 - A61K 2239/59](#). All groups listed in this Warning should be considered in order to perform a complete search.*
- C C12N 5/0636 . . . . {T lymphocytes}
- WARNING  
*Group C12N 5/0636 is impacted by reclassification into groups [A61K 39/46](#), [A61K 39/461 - A61K 39/46484](#) and [A61K 2239/00 - A61K 2239/59](#). All groups listed in this Warning should be considered in order to perform a complete search.*
- C C12N 5/0637 . . . . {Immunosuppressive T lymphocytes, e.g. regulatory T cells ~~(Treg)~~ or Treg}
- WARNING  
*Group C12N 5/0637 is impacted by reclassification into groups [A61K 39/46](#), [A61K 39/461 - A61K 39/46484](#) and [A61K 2239/00 - A61K 2239/59](#). All groups listed in this Warning should be considered in order to perform a complete search.*
- C C12N 5/0638 . . . . {Cytotoxic T lymphocytes [CTL]; or lymphokine activated killer cells [LAK]}
- WARNING  
*Group C12N 5/0638 is impacted by reclassification into groups [A61K 39/46](#), [A61K 39/461 - A61K 39/46484](#) and [A61K 2239/00 - A61K 2239/59](#). All groups listed in this Warning should be considered in order to perform a complete search.*
- C C12N 5/0639 . . . . {Dendritic cells, e.g. Langerhans cells in the epidermis}
- WARNING  
*Group C12N 5/0639 is impacted by reclassification into groups [A61K 39/46](#), [A61K 39/461 - A61K 39/46484](#) and [A61K 2239/00 - A61K 2239/59](#).*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C C12N 5/064 . . . . {Immunosuppressive dendritic cells}

**WARNING**

*Group C12N 5/064 is impacted by reclassification into groups [A61K 39/46](#), [A61K 39/461 - A61K 39/46484](#) and [A61K 2239/00 - A61K 2239/59](#).*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C C12N 5/0645 . . . . {Macrophages, e.g. Kuepfer cells in the liver; Monocytes}

**WARNING**

*Group C12N 5/0645 is impacted by reclassification into groups [A61K 39/46](#), [A61K 39/461 - A61K 39/46484](#) and [A61K 2239/00 - A61K 2239/59](#).*

*All groups listed in this Warning should be considered in order to perform a complete search.*

- C C12N 5/0646 . . . . {Natural killers cells [NK], NKT cells}

**WARNING**

*Group C12N 5/0646 is impacted by reclassification into groups [A61K 39/46](#), [A61K 39/461 - A61K 39/46484](#), [A61K 2239/00 - A61K 2239/59](#).*

*All groups listed in this Warning should be considered in order to perform a complete search.*

**Project: RP0085-F (C25D)**

- U C25D 5/00 **Electroplating characterised by the process; Pretreatment or after-treatment of workpieces**

- U C25D 5/02 . Electroplating of selected surface areas

- M C25D 5/022 . . {using masking means}

**WARNING**

*Group C25D 5/022 is incomplete pending reclassification of documents from group C25D 11/022.*

*Groups C25D 11/022 and C25D 5/022 should be considered in order to perform a complete search.*

- M C25D 5/54 . Electroplating of non-metallic surfaces ([C25D 7/12](#) takes precedence)

**WARNING**

*Group C25D 5/54 is impacted by reclassification into group C25D 5/56.*

*Groups C25D 5/54 and C25D 5/56 should be considered in order to perform a complete search.*

- M C25D 5/56 . . of plastics

**WARNING**

*Group C25D 5/56 is incomplete pending reclassification of documents from group C25D 5/54.*

*Groups C25D 5/54 and C25D 5/56 should be considered in order to perform a complete search.*

<b>M</b>	<b>C25D 7/00</b>	<b>Electroplating characterised by the article coated</b>
		<p><b>WARNING</b> Group C25D 7/00 is impacted by reclassification into group C25D 7/005. Groups C25D 7/00 and C25D 7/005 should be considered in order to perform a complete search.</p>
<b>M</b>	<b>C25D 7/005</b>	<ul style="list-style-type: none"> <li>• {Jewels; Clockworks; Coins}</li> </ul>
		<p><b>WARNING</b> Group C25D 7/005 is incomplete pending reclassification of documents from group C25D 7/00. Groups C25D 7/00 and C25D 7/005 should be considered in order to perform a complete search.</p>
<b>M</b>	<b>C25D 7/12</b>	<ul style="list-style-type: none"> <li>• Semiconductors</li> </ul>
		<p><b>WARNING</b> Group C25D 7/12 is impacted by reclassification into groups C25D 7/123 and C25D 7/126. Groups C25D 7/12, C25D 7/123, and C25D 7/126 should be considered in order to perform a complete search.</p>
<b>M</b>	<b>C25D 7/123</b>	<ul style="list-style-type: none"> <li>• • {Semiconductors first coated with a seed layer or a conductive layer}</li> </ul>
		<p><b>WARNING</b> Group C25D 7/123 is incomplete pending reclassification of documents from group C25D 7/12. Groups C25D 7/12 and C25D 7/123 should be considered in order to perform a complete search.</p>
<b>M</b>	<b>C25D 7/126</b>	<ul style="list-style-type: none"> <li>• • • {for solar cells}</li> </ul>
		<p><b>WARNING</b> Group C25D 7/126 is incomplete pending reclassification of documents from group C25D 7/12. Groups C25D 7/12 and C25D 7/126 should be considered in order to perform a complete search.</p>
<b>U</b>	<b>C25D 11/00</b>	<b>Electrolytic coating by surface reaction, i.e. forming conversion layers</b>
<b>U</b>	<b>C25D 11/02</b>	<ul style="list-style-type: none"> <li>• Anodisation</li> </ul>
<b>M</b>	<b>C25D 11/022</b>	<ul style="list-style-type: none"> <li>• • {Anodisation on selected surface areas}</li> </ul>
		<p><b>WARNING</b> Group C25D 11/022 is impacted by reclassification into group C25D 5/022. Groups C25D 11/022 and C25D 5/022 should be considered in order to perform a complete search.</p>
<b>U</b>	<b>C25D 13/00</b>	<b>Electrophoretic coating characterised by the process (<a href="#">C25D 15/00</a> takes precedence; compositions for electrophoretic coating <a href="#">C09D 5/44</a>)</b>
<b>U</b>	<b>C25D 13/22</b>	<ul style="list-style-type: none"> <li>• Servicing or operating {apparatus or multistep processes}</li> </ul>
<b>M</b>	<b>C25D 13/24</b>	<ul style="list-style-type: none"> <li>• • Regeneration of process liquids</li> </ul>
		<p><b>WARNING</b> Group C25D 13/24 is impacted by reclassification into groups C25D 21/16, C25D 21/18, C25D 21/20, and C25D 21/22. All groups listed in this Warning should be considered in order to perform a complete search.</p>

**U C25D 21/00 Processes for servicing or operating cells for electrolytic coating**

M C25D 21/16 · Regeneration of process solutions

**WARNING**

Groups C25D 21/16 – C25D 21/22 are incomplete pending reclassification of documents from group C25D 13/24.

All groups listed in this Warning should be considered in order to perform a complete search.

**Project: RP10484 (E21C)****U E21C 25/00 Cutting machines, i.e. for making slits approximately parallel or perpendicular to the seam (dislodging machines with slitting means [E21C 27/02](#), [E21C 27/10](#), [E21C 27/18](#))**

M E21C 25/56 · Slitting by cutter cables or cutter chains or by tools drawn along the working face by cables or the like, in each case guided parallel to the face, e.g. by a conveyor; **or** by a guide parallel to a conveyor (pressing the conveyor equipped with tools **towards****toward** the working face [E21C 35/14](#))

M E21C 25/60 · Slitting by jets of water or other liquid (**picks with arrangements of fluid-spraying nozzles** [E21C 35/187](#); **picks with arrangement of fluid-spraying nozzles** [E21C 35/187](#); distribution of spraying fluids in rotating cutter-heads [E21C 35/23](#))

**M E21C 35/00 Details of, or accessories for, machines for slitting or completely freeing the mineral from the seam, not provided for in groups [E21C 25/00](#) - [E21C 33/00](#), [E21C 37/00](#) or [E21C 39/00](#)**

M E21C 35/06 · Equipment for positioning the whole machine in relation to its **substructure****sub-structure**

C E21C 35/08 · Guiding the machine

**WARNING**

Group [E21C 35/08](#) is impacted by reclassification into groups [E21C 35/302](#) and [E21C 35/282](#).

All groups listed in this Warning should be considered in order to perform a complete search.

C E21C 35/10 · · by feelers contacting the working face

**WARNING**

Group [E21C 35/10](#) is impacted by reclassification into groups [E21C 35/282](#) and [E21C 35/302](#).

All groups listed in this Warning should be considered in order to perform a complete search.

C E21C 35/12 · · along a conveyor for the cut **mineral****material**

**WARNING**

Group [E21C 35/12](#) is impacted by reclassification into groups [E21C 35/282](#) and [E21C 35/302](#).

All groups listed in this Warning should be considered in order to perform a complete search.

C E21C 35/125 · · · {Means for inclining the conveyor}

**WARNING**

Group [E21C 35/125](#) is impacted by reclassification into groups [E21C 35/282](#) and [E21C 35/302](#).

- All groups listed in this Warning should be considered in order to perform a complete search.*
- C E21C 35/14
- • Equipment for pressing the conveyor towards the working face
- WARNING**  
*Group E21C 35/14 is impacted by reclassification into groups E21C 35/282 and E21C 35/302.  
All groups listed in this Warning should be considered in order to perform a complete search.*
- C E21C 35/16
- • by making use of the timbering, filling, or other supports
- WARNING**  
*Group E21C 35/16 is impacted by reclassification into groups E21C 35/282 and E21C 35/302.  
All groups listed in this Warning should be considered in order to perform a complete search.*
- M E21C 35/18
- Mining picks; Holders therefor (planing knives [E21C 27/44](#) ~~{; pick-like bits for milling stone like materials B28D 1/186}~~)
- M E21C 35/183
- • with inserts or layers of wear-resistant *resisting* material {(drill bits with wear-resistant parts [E21B 10/46](#))}
- C E21C 35/24
- Remote control specially adapted for machines for slitting or completely freeing the mineral (control in general [G05](#))
- WARNING**  
*Group E21C 35/24 is impacted by reclassification into groups E21C 35/282 and E21C 35/302.  
All groups listed in this Warning should be considered in order to perform a complete search.*
- N E21C 35/282
- {Autonomous machines; Autonomous operations}
- WARNING**  
*Group E21C 35/282 is incomplete pending reclassification of documents from groups [E21C 35/08](#), [E21C 35/10](#), [E21C 35/12](#), [E21C 35/125](#), [E21C 35/14](#), [E21C 35/16](#) and [E21C 35/24](#).  
All groups listed in this Warning should be considered in order to perform a complete search.*
- N E21C 35/302
- {Measuring, signaling or indicating specially adapted for machines for slitting or completely freeing the mineral (measuring or indicating on tunneling machines [E21D 9/003](#))}
- WARNING**  
*Group E21C 35/302 is incomplete pending reclassification of documents from groups [E21C 35/08](#), [E21C 35/10](#), [E21C 35/12](#), [E21C 35/125](#), [E21C 35/14](#), [E21C 35/16](#) and [E21C 35/24](#).  
All groups listed in this Warning should be considered in order to perform a complete search.*
- M E21C 41/00 -  
E21C 51/00
- Methods of mining or quarrying; Open-pit mining; Layouts therefor (methods or apparatus for obtaining oil, gas, water, soluble or meltable materials or a slurry of minerals from wells E21B 43/00)**
- U E21C 51/00
- Apparatus for, or methods of, winning materials from extraterrestrial sources (cosmonautics [B64G](#))
- N E21C 2100/00
- Modeling, simulating or designing mining operations**

**N E21C 2200/00 Mining robots****Project: RP0703-F (F01L)**

**U F01L 1/00** Valve-gear or valve arrangements, e.g. lift-valve gear (lift-valve and valve-seat assemblies *per se* [F01L 3/00](#); slide-valve gear [F01L 5/00](#); actuated non-mechanically [F01L 9/00](#); valve arrangements in working piston or piston rod [F01L 11/00](#); modifications of valve-gear to facilitate reversing, braking, starting, changing compression ratio, or other specific operations [F01L 13/00](#))

U F01L 1/02 • Valve drive (transmitting-gear between valve drive and valve [F01L 1/12](#))

U F01L 1/04 • • by means of cams, camshafts, cam discs, eccentrics or the like ([F01L 1/10](#) takes precedence)

M F01L 1/044 • • • {Reciprocating cams}

**WARNING**

Group F01L 1/044 is impacted by reclassification into group F01L 1/10. Groups F01L 1/044 and F01L 1/10 should be considered in order to perform a complete search.

M F01L 1/10 • • by means of crank-or eccentric-driven rods

**WARNING**

Group F01L 1/10 is incomplete pending reclassification of documents from group F01L 1/044. Groups F01L 1/044 and F01L 1/10 should be considered in order to perform a complete search.

**Project: RP11807 (F21)****M F21 LIGHTING****NOTE**

{In this class, the following terms are used with the meanings indicated:

- "Portable" means "intended to be carried personally"
- "Non-portable" means "not intended to be carried personally, even if capable of being moved from place to place"
- "Lighting" means "the purpose of illumination using visible light"

}

**Project: RP11807 (F21K)**

**U F21K 99/00** Subject matter not provided for in other groups of this subclass

D F21K 2099/005 • {~~Other light sources comprising light emitting diodes associated with conversion means~~}

**Project: RP11807 (F21Y)**

**C F21Y 2113/00** Combination of light sources

**WARNING**

Group [F21Y 2113/00](#) is impacted by reclassification into group [F21Y 2113/30](#). Groups [F21Y 2113/00](#) and [F21Y 2113/30](#) should be considered in order to perform a complete search.

C F21Y 2113/10 • of different colours

**WARNING**

Group [F21Y 2113/10](#) is impacted by reclassification into group [F21Y 2113/30](#).

*Groups [F21Y 2113/10](#) and [F21Y 2113/30](#) should be considered in order to perform a complete search.*

- C F21Y 2113/13      • • comprising an assembly of point-like light sources

**WARNING**

*Group [F21Y 2113/13](#) is impacted by reclassification into group [F21Y 2113/30](#). Groups [F21Y 2113/13](#) and [F21Y 2113/30](#) should be considered in order to perform a complete search.*

- C F21Y 2113/17      • • • forming a single encapsulated light source

**WARNING**

*Group [F21Y 2113/17](#) is impacted by reclassification into group [F21Y 2113/30](#). Groups [F21Y 2113/17](#) and [F21Y 2113/30](#) should be considered in order to perform a complete search.*

- C F21Y 2113/20      • of different form

**WARNING**

*Group [F21Y 2113/20](#) is impacted by reclassification into group [F21Y 2113/30](#). Groups [F21Y 2113/20](#) and [F21Y 2113/30](#) should be considered in order to perform a complete search.*

- N F21Y 2113/30      • {of visible and non-visible spectrum}

**WARNING**

*Group [F21Y 2113/30](#) is incomplete pending reclassification of documents from groups [F21Y 2113/00](#), [F21Y 2113/10](#), [F21Y 2113/13](#), [F21Y 2113/17](#) and [F21Y 2113/20](#). All groups listed in this Warning should be considered in order to perform a complete search.*

**Project: RP0614-F (F23D)**

- U F23D 11/00      Burners using a direct spraying action of liquid droplets or vaporised liquid into the combustion space**

- U F23D 11/36      • Details {, e.g. burner cooling means, noise reduction means}

- U F23D 11/44      • • Preheating devices; Vaporising devices

- U F23D 11/441      • • • {Vaporising devices incorporated with burners}

- M F23D 11/443      • • • • {heated by the main burner flame}

**WARNING**

*Group [F23D 11/443](#) is impacted by reclassification into group [F23D 11/445](#). Groups [F23D 11/443](#) and [F23D 11/445](#) should be considered in order to perform a complete search.*

- M F23D 11/445      • • • • {the flame and the vaporiser not coming into direct contact}

**WARNING**

*Group [F23D 11/445](#) is incomplete pending reclassification of documents from group [F23D 11/443](#). Groups [F23D 11/443](#) and [F23D 11/445](#) should be considered in order to perform a complete search.*

- U F23D 14/00      Burners for combustion of a gas, e.g. of a gas stored under pressure as a liquid**

- M F23D 14/12
- Radiant burners
- WARNING  
Group F23D 14/12 is impacted by reclassification into groups F23D 14/126, F23D 14/147, F23D 14/148, F23D 14/149 and F23D 14/151. All groups listed in this Warning should be considered in order to perform a complete search.
- M F23D 14/126
- {cooperating with refractory wall surfaces}
- WARNING  
Group F23D 14/126 is incomplete pending reclassification of documents from groups F23D 14/12 and F23D 14/14. All groups listed in this Warning should be considered in order to perform a complete search.
- M F23D 14/14
- using screens or perforated plates
- WARNING  
Group F23D 14/14 is impacted by reclassification into groups F23D 14/126, F23D 14/145, F23D 14/147, F23D 14/148, F23D 14/149 and F23D 14/151. All groups listed in this Warning should be considered in order to perform a complete search.
- M F23D 14/145
- {combustion being stabilised at a screen or a perforated plate}
- WARNING  
Group F23D 14/145 is incomplete pending reclassification of documents from group F23D 14/14. Groups F23D 14/14 and F23D 14/145 should be considered in order to perform a complete search.
- M F23D 14/147
- {with perforated plates as radiation intensifying means}
- WARNING  
Group F23D 14/147 is incomplete pending reclassification of documents from groups F23D 14/12 and F23D 14/14. All groups listed in this Warning should be considered in order to perform a complete search.
- M F23D 14/148
- {with grids, e.g. strips or rods, as radiation intensifying means}
- WARNING  
Group F23D 14/148 is incomplete pending reclassification of documents from groups F23D 14/12 and F23D 14/14. All groups listed in this Warning should be considered in order to perform a complete search.
- M F23D 14/149
- {with wires, threads or gauzes as radiation intensifying means}
- WARNING  
Group F23D 14/149 is incomplete pending reclassification of documents from groups F23D 14/12 and F23D 14/14. All groups listed in this Warning should be considered in order to perform a complete search.
- M F23D 14/151
- {with radiation intensifying means other than screens or perforated plates}
- WARNING  
Group F23D 14/151 is incomplete pending reclassification of documents from groups F23D 14/12 and F23D 14/14.

All groups listed in this Warning should be considered in order to perform a complete search.

- M F23D 14/18
- using catalysis for flameless combustion

**WARNING**

Group F23D 14/18 is impacted by reclassification into group F23D 14/181. Groups F23D 14/18 and F23D 14/181 should be considered in order to perform a complete search.

- M F23D 14/181
- • {with carbon containing radiating surface}

**WARNING**

Group F23D 14/181 is incomplete pending reclassification of documents from group F23D 14/18. Groups F23D 14/18 and F23D 14/181 should be considered in order to perform a complete search.

**Project: RP0765-F (F24D)**

- M F24D 18/00
- Small-scale combined heat and power [CHP] generation systems specially adapted for domestic heating, space heating or domestic hot-water supply**

**NOTE**

In this group, it is desirable to add the indexing codes of groups [F24D 2101/00](#) - [F24D 2105/00](#).

**WARNING**

Group F24D 18/00 is incomplete pending reclassification of documents from groups F24H 2240/00, F24H 2240/01, F24H 2240/02, F24H 2240/04, F24H 2240/06, F24H 2240/08, F24H 2240/09, F24H 2240/10, F24H 2240/12, F24H 2240/122, F24H 2240/125 and F24H 2240/127.

All groups listed in this Warning should be considered in order to perform a complete search.

- M F24D 2101/00
- Electric generators of small-scale CHP systems**

**WARNING**

Groups F24D 2101/00 - F24D 2101/80 are incomplete pending reclassification of documents from groups F24H 2240/00, F24H 2240/01, F24H 2240/02, F24H 2240/04, F24H 2240/06, F24H 2240/08, F24H 2240/09, F24H 2240/10, F24H 2240/12, F24H 2240/122, F24H 2240/125 and F24H 2240/127.

All groups listed in this Warning should be considered in order to perform a complete search.

- M F24D 2103/00
- Thermal aspects of small-scale CHP systems**

**WARNING**

Groups F24D 2103/00 - F24D 2103/20 are incomplete pending reclassification of documents from groups F24H 2240/00, F24H 2240/01, F24H 2240/02, F24H 2240/04, F24H 2240/06, F24H 2240/08, F24H 2240/09, F24H 2240/10, F24H 2240/12, F24H 2240/122, F24H 2240/125 and F24H 2240/127.

All groups listed in this Warning should be considered in order to perform a complete search.

- M F24D 2105/00
- Constructional aspects of small-scale CHP systems**

**WARNING**

Groups F24D 2105/00 and F24D 2105/10 are incomplete pending reclassification of documents from groups F24H 2240/00, F24H 2240/01, F24H 2240/02,

F24H 2240/04, F24H 2240/06, F24H 2240/08, F24H 2240/09, F24H 2240/10, F24H 2240/12, F24H 2240/122, F24H 2240/125 and F24H 2240/127.  
All groups listed in this Warning should be considered in order to perform a complete search.

## Project: RP0482-F (F24F)

### U F24F 11/00 Control or safety arrangements

#### NOTE

In this group, it is desirable to add the indexing codes of groups [F24F 2110/00](#) – [F24F 2140/00](#).

- M F24F 11/30
- for purposes related to the operation of the system, e.g. for safety or monitoring

#### WARNINGS

1. Group F24F 11/30 is impacted by reclassification into groups F24F 11/32 – F24F 11/88, F24F 2120/00, and F24F 2140/00.

All groups listed in this Warning should be considered in order to perform a complete search.

2. Groups F24F 11/32 – F24F 11/49 are incomplete pending reclassification of documents from group F24F 11/30.

Groups F24F 11/30 and F24F 11/32 – F24F 11/49 should be considered in order to perform a complete search.

- M F24F 11/50
- characterised by user interfaces or communication

#### WARNING

Groups F24F 11/50 – F24F 11/61 are incomplete pending reclassification of documents from group F24F 11/30.

Groups F24F 11/50 – F24F 11/61 and F24F 11/30 should be considered in order to perform a complete search.

- M F24F 11/62
- characterised by the type of control or by internal processing, e.g. using fuzzy logic, adaptive control or estimation of values

#### WARNING

Groups F24F 11/62 – F24F 11/67 are incomplete pending reclassification of documents from group F24F 11/30.

Groups F24F 11/62 – F24F 11/67 and F24F 11/30 should be considered in order to perform a complete search.

- U F24F 11/63
- • Electronic processing
- M F24F 11/65
- • • for selecting an operating mode

#### WARNING

Group F24F 11/65 is incomplete pending reclassification of documents from group F24F 11/30.

Group F24F 11/65 is also impacted by reclassification into group F24F 11/67.

All groups listed in this Warning should be considered in order to perform a complete search.

- M F24F 11/67
- • • Switching between heating and cooling modes

#### WARNING

Group F24F 11/67 is incomplete pending reclassification of documents from groups F24F 11/30 and F24F 11/65.

Groups F24F 11/30, F24F 11/65, and F24F 11/67 should be considered in order to perform a complete search.

- M F24F 11/70
- Control systems characterised by their outputs; Constructional details thereof
- WARNING  
 Groups F24F 11/70 – F24F 11/875 are incomplete pending reclassification of documents from group F24F 11/30.  
 Group F24F 11/70 is also impacted by reclassification into groups F24F 11/80 – F24F 11/875.  
 All groups listed in this warning should be considered in order to perform a complete search.
- U F24F 11/72
- • for controlling the supply of treated air, e.g. its pressure
- M F24F 11/74
- • • for controlling air flow rate or air velocity
- WARNING  
 Group F24F 11/74 is incomplete pending reclassification of documents from group F24F 11/30 and F24F 11/70.  
 Group F24F 11/74 is also impacted by reclassification into group F24F 11/755.  
 All groups listed in this warning should be considered in order to perform a complete search
- M F24F 11/755
- • • for cyclical variation of air flow rate or air velocity
- WARNING  
 Group F24F 11/755 is incomplete pending reclassification of documents from groups F24F 11/30, F24F 11/70 and F24F 11/74.  
 All groups listed in this warning should be considered in order to perform a complete search.
- M F24F 11/80
- • for controlling the temperature of the supplied air
- WARNING  
 Groups F24F 11/80 – F24F 11/875 are incomplete pending reclassification of documents from groups F24F 11/30 and F24F 11/70.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M F24F 11/83
- • • by controlling the supply of heat-exchange fluids to heat-exchangers
- WARNING  
 Group F24F 11/83 is incomplete pending reclassification of documents from groups F24F 11/30 and F24F 11/70.  
 Group F24F 11/83 is also impacted by reclassification into groups F24F 11/84 and F24F 11/85.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M F24F 11/84
- • • using valves
- WARNING  
 Group F24F 11/84 is incomplete pending reclassification of documents from groups F24F 11/30, F24F 11/70 and F24F 11/83.  
 All groups listed in this warning should be considered in order to perform a complete search.
- M F24F 11/85
- • • using variable-flow pumps
- WARNING  
 Group F24F 11/85 is incomplete pending reclassification of documents from groups F24F 11/30, F24F 11/70 and F24F 11/83.

All groups listed should be considered in order to perform a complete search.

M F24F 11/88

- Electrical aspects, e.g. circuits

WARNING

Group F24F 11/88 is incomplete pending reclassification of documents from group F24F 11/30.

Groups F24F 11/30 and F24F 11/88 should be considered in order to perform a complete search.

**U F24F 2110/00**

**Control inputs relating to air properties**

M F24F 2110/40

- Pressure, e.g. wind pressure

WARNING

Group F24F 2110/40 is impacted by reclassification into groups F24F 2140/10 and F24F 2140/12.

Groups F24F 2110/40, F24F 2140/10, and F24F 2140/12 should be considered in order to perform a complete search.

M F24F 2110/50

- Air quality properties

WARNING

Group F24F 2110/50 is impacted by reclassification into group F24F 2110/65.

Groups F24F 2110/50 and F24F 2110/65 should be considered in order to perform a complete search.

M F24F 2110/65

- Concentration of specific substances or contaminants

WARNING

Group F24F 2110/65 is incomplete pending reclassification of documents from group F24F 2110/50.

Groups F24F 2110/50 and F24F 2110/65 should be considered in order to perform a complete search.

**M F24F 2120/00**

**Control inputs relating to users or occupants**

WARNING

Group F24F 2120/00 is incomplete pending reclassification of documents from group F24F 11/30.

Groups F24F 11/30 and F24F 2120/00 should be considered in order to perform a complete search.

**M F24F 2140/00**

**Control inputs relating to system states**

WARNING

Group F24F 2140/00 is incomplete pending reclassification of documents from group F24F 11/30.

Groups F24F 11/30 and F24F 2140/00 should be considered in order to perform a complete search.

M F24F 2140/10

- Pressure

WARNING

Groups F24F 2140/10 and F24F 2140/12 are incomplete pending reclassification of documents from group F24F 2110/40.

Groups F24F 2110/40, F24F 2140/10 and F24F 2140/12 should be considered in order to perform a complete search.

**Project: RP0765-F (F24H)**

M	F24H 2240/00	<p><b>Fluid heaters having electrical generators</b></p> <p><u>WARNING</u> Group F24H 2240/00 is impacted by reclassification into groups F24D 18/00 and F24D 2101/00 – F24D 2105/10. Groups F24H 2240/00, F24D 18/00 and F24D 2101/00 – F24D 2105/10 should be considered in order to perform a complete search.</p>
M	F24H 2240/01	<ul style="list-style-type: none"> <li>• Batteries, electrical energy storage device</li> </ul> <p><u>WARNING</u> Group F24H 2240/01 is impacted by reclassification into groups F24D 18/00 and F24D 2101/00 – F24D 2105/10. Groups F24H 2240/01, F24D 18/00 and F24D 2101/00 – F24D 2105/10 should be considered in order to perform a complete search.</p>
M	F24H 2240/02	<ul style="list-style-type: none"> <li>• with combustion engines</li> </ul> <p><u>WARNING</u> Group F24H 2240/02 is impacted by reclassification into groups F24D 18/00 and F24D 2101/00 – F24D 2105/10. Groups F24H 2240/02, F24D 18/00 and F24D 2101/00 – F24D 2105/10 should be considered in order to perform a complete search.</p>
M	F24H 2240/04	<ul style="list-style-type: none"> <li>• External combustion engines</li> </ul> <p><u>WARNING</u> Group F24H 2240/04 is impacted by reclassification into groups F24D 18/00 and F24D 2101/00 – F24D 2105/10. Groups F24H 2240/04, F24D 18/00 and F24D 2101/00 – F24D 2105/10 should be considered in order to perform a complete search.</p>
M	F24H 2240/06	<ul style="list-style-type: none"> <li>• Internal combustion engines</li> </ul> <p><u>WARNING</u> Group F24H 2240/06 is impacted by reclassification into groups F24D 18/00 and F24D 2101/00 – F24D 2105/10. Groups F24H 2240/06, F24D 18/00 and F24D 2101/00 – F24D 2105/10 should be considered in order to perform a complete search.</p>
M	F24H 2240/08	<ul style="list-style-type: none"> <li>• with peltier elements</li> </ul> <p><u>WARNING</u> Group F24H 2240/08 is impacted by reclassification into groups F24D 18/00 and F24D 2101/00 – F24D 2105/10. Groups F24H 2240/08, F24D 18/00 and F24D 2101/00 – F24D 2105/10 should be considered in order to perform a complete search.</p>
M	F24H 2240/09	<ul style="list-style-type: none"> <li>• with photovoltaic cells</li> </ul> <p><u>WARNING</u> Group F24H 2240/09 is impacted by reclassification into groups F24D 18/00 and F24D 2101/00 – F24D 2105/10. Groups F24H 2240/09, F24D 18/00 and F24D 2101/00 – F24D 2105/10 should be considered in order to perform a complete search.</p>
M	F24H 2240/10	<ul style="list-style-type: none"> <li>• with fuel cells</li> </ul> <p><u>WARNING</u> Group F24H 2240/10 is impacted by reclassification into groups F24D 18/00 and F24D 2101/00 – F24D 2105/10.</p>

Groups F24H 2240/10, F24D 18/00 and F24D 2101/00 – F24D 2105/10 should be considered in order to perform a complete search

- M F24H 2240/12
- with thermodynamic cycle for converting thermal energy to mechanical power to produce electrical energy

**WARNING**

Group F24H 2240/12 is impacted by reclassification into groups F24D 18/00 and F24D 2101/00 – F24D 2105/10.

Groups F24H 2240/12, F24D 18/00 and F24D 2101/00 – F24D 2105/10 should be considered in order to perform a complete search.

- M F24H 2240/122
- • Stirling cycles

**WARNING**

Group F24H 2240/122 is impacted by reclassification into groups F24D 18/00 and F24D 2101/00 – F24D 2105/10.

Groups F24H 2240/122, F24D 18/00 and F24D 2101/00 – F24D 2105/10 should be considered in order to perform a complete search.

- M F24H 2240/125
- • Carnot cycles

**WARNING**

Group F24H 2240/125 is impacted by reclassification into groups F24D 18/00 and F24D 2101/00 – F24D 2105/10.

Groups F24H 2240/125, F24D 18/00 and F24D 2101/00 – F24D 2105/10 should be considered in order to perform a complete search.

- M F24H 2240/127
- • Rankine cycles, e.g. steam heat engines

**WARNING**

Group F24H 2240/127 is impacted by reclassification into groups F24D 18/00 and F24D 2101/00 – F24D 2105/10.

Groups F24H 2240/127, F24D 18/00 and F24D 2101/00 – F24D 2105/10 should be considered in order to perform a complete search.

**Project: RP0601-F (F25C)**

**U F25C 1/00 Producing ice (F25C 3/00 takes precedence)**

- U F25C 1/12
- by freezing water on cooled surfaces, e.g. to form slabs
- U F25C 1/14
- • to form thin sheets which are removed by scraping or wedging, e.g. in the form of flakes
- U F25C 1/145
- • • from the inner walls of cooled bodies
- M F25C 1/147
- • • • by using augers

**WARNING**

Group F25C 1/147 is impacted by reclassification into group F25C 5/142. Groups F25C 1/147 and F25C 5/142 should be considered in order to perform a complete search.

**U F25C 5/00 Working or handling ice (F25C 3/00 takes precedence)**

- M F25C 5/14
- Apparatus for shaping or finishing ice pieces, e.g. ice presses

**WARNING**

Group F25C 5/14 is impacted by reclassification into group F25C 5/142.

Groups F25C 5/14 and F25C 5/142 should be considered in order to perform a complete search.

M F25C 5/142      • • {extrusion of ice crystals}

**WARNING**

Group F25C 5/142 is incomplete pending reclassification of documents from groups F25C 1/147 and F25C 5/14.  
Groups F25C 1/147, F25C 5/14 and F25C 5/142 should be considered in order to perform a complete search.

**Project: RP0674-F (G01D)**

U G01D 5/00

**Mechanical means for transferring the output of a sensing member; Means for converting the output of a sensing member to another variable where the form or nature of the sensing member does not constrain the means for converting; Transducers not specially adapted for a specific variable (G01D 3/00 takes precedence; specially adapted for apparatus giving results other than momentary value of variable G01D 1/00)**

**NOTE**

The subgroups of this main group are distinguished by the means which is of major importance. Thus the mere application of other means for giving a final indication does not affect the classification.

U G01D 5/12      • using electric or magnetic means (G01D 5/06 takes precedence)

U G01D 5/14      • • influencing the magnitude of a current or voltage

M G01D 5/18      • • • by varying effective impedance of discharge tubes or semiconductor devices

**WARNING**

Group G01D 5/18 is impacted by reclassification into groups G01D 5/183 and G01D 5/185.  
Groups G01D 5/18, G01D 5/183 and G01D 5/185 should be considered in order to perform a complete search.

M G01D 5/183      • • • {Sensing rotation or linear movement using strain, force or pressure sensors}

**WARNING**

Groups G01D 5/183 and G01D 5/185 are incomplete pending reclassification of documents from group G01D 5/18.  
Groups G01D 5/18, G01D 5/183 and G01D 5/185 should be considered in order to perform a complete search.

M G01D 5/24      • • • by varying capacitance

**WARNING**

Group G01D 5/24 is impacted by reclassification into group G01D 5/2403.  
Groups G01D 5/24 and G01D 5/2403 should be considered in order to perform a complete search.

M G01D 5/2403      • • • {by moving plates, not forming part of the capacitor itself, e.g. shields}

**WARNING**

Group G01D 5/2403 is incomplete pending reclassification of documents from groups G01D 5/24, G01D 5/241, G01D 5/2412 and G01D 5/2415.  
Groups G01D 5/24, G01D 5/241, G01D 5/2412, G01D 5/2415 and G01D 5/2403 should be considered in order to perform a complete search.

- M G01D 5/241
- • • • by relative movement of capacitor electrodes
- WARNING**  
 Groups G01D 5/241, G01D 5/2412 and G01D 5/2415 are impacted by reclassification into group G01D 5/2403.  
 Groups G01D 5/241, G01D 5/2412, G01D 5/2415 and G01D 5/2403 should be considered in order to perform a complete search.
- U G01D 5/26
- characterised by optical transfer means, i.e. using infra-red, visible, or ultra-violet light
- U G01D 5/32
- • with attenuation or whole or partial obturation of beams of light ([G01D 5/40](#) takes precedence {; mechanical adjustment [G01D 5/264](#)})
- U G01D 5/34
- • • the beams of light being detected by photocells
- U G01D 5/347
- • • • using displacement encoding scales
- U G01D 5/34776
- • • • • {Absolute encoders with analogue or digital scales}
- M G01D 5/34792
- • • • • {with only digital scales or both digital and incremental scales}
- WARNING**  
 Group G01D 5/34792 is impacted by reclassification into group G01D 5/34794.  
 Groups G01D 5/34792 and G01D 5/34794 should be considered in order to perform a complete search.
- M G01D 5/34794
- • • • • • {Optical encoders using the Vernier principle, i.e. incorporating two or more tracks having a (n, n+1, ...) relationship}
- WARNING**  
 Group G01D 5/34794 is incomplete pending reclassification of documents from group G01D 5/34792.  
 Groups G01D 5/34792 and G01D 5/34794 should be considered in order to perform a complete search.
- U G01D 9/00**
- Recording measured values**
- M G01D 9/005
- {Solid-state data loggers}
- WARNING**  
 Group G01D 9/005 is impacted by reclassification into group G01D 9/007.  
 Groups G01D 9/005 and G01D 9/007 should be considered in order to perform a complete search.
- M G01D 9/007
- • {Data loggers attached to transport containers for perishable products, e.g. food or medicines}
- WARNING**  
 Group G01D 9/007 is incomplete pending reclassification of documents from group G01D 9/005.  
 Groups G01D 9/005 and G01D 9/007 should be considered in order to perform a complete search.

## Project: RP0755-F (G01F)

- U G01F 1/00**
- Measuring the volume flow or mass flow of fluid or fluent solid material wherein the fluid passes through a meter in a continuous flow (measuring a proportion of the volume flow [G01F 5/00](#))**
- NOTE**  
 {Groups [G01F 1/704](#) - [G01F 1/76](#) take precedence over groups [G01F 1/05](#) - [G01F 1/68](#).}

- U G01F 1/704
- using marked regions or existing inhomogeneities within the fluid stream, e.g. statistically occurring variations in a fluid parameter ([G01F 1/76](#), [G01F 25/00](#) take precedence)
- U G01F 1/708
- • Measuring the time taken to traverse a fixed distance
- M G01F 1/7082
- • • using acoustic detecting arrangements
- WARNING**  
Group G01F 1/7082 is impacted by reclassification into group G01F 1/712. Groups G01F 1/7082 and G01F 1/712 should be considered in order to perform a complete search.
- M G01F 1/7084
- • • using thermal detecting arrangements
- WARNING**  
Group G01F 1/7084 is impacted by reclassification into group G01F 1/712. Groups G01F 1/7084 and G01F 1/712 should be considered in order to perform a complete search.
- M G01F 1/7086
- • • using optical detecting arrangements
- WARNING**  
Group G01F 1/7086 is impacted by reclassification into group G01F 1/712. Groups G01F 1/7086 and G01F 1/712 should be considered in order to perform a complete search.
- M G01F 1/7088
- • • using electrically charged particles as tracers
- WARNING**  
Group G01F 1/7088 is impacted by reclassification into group G01F 1/712. Groups G01F 1/7088 and G01F 1/712 should be considered in order to perform a complete search.
- M G01F 1/712
- • • using auto-correlation or cross-correlation detection means
- WARNING**  
Group G01F 1/712 is incomplete pending reclassification of documents from groups G01F 1/7082, G01F 1/7084, G01F 1/7086 and G01F 1/7088. All groups listed in this Warning should be considered in order to perform a complete search.

**Project: RP11829 (G01J)**

- M G01J 4/00** **Measuring polarisation of light (investigating or analysing materials by measuring rotation of plane of polarised light G01N 21/21)**
- D G01J 2004/001
- {Devices}
- <administratively transferred to [G01J 4/04](#)>
- D G01J 2004/002
- • {Selecting polarisation direction}
- <administratively transferred to [G01J 4/04](#)>
- D G01J 2004/004
- • • {sequential, i.e. time-divided}
- <administratively transferred to [G01J 4/04](#)>
- D G01J 2004/005
- • • {simultaneous, i.e. space-divided}
- <administratively transferred to [G01J 4/02](#)>
- D G01J 2004/007
- • • {Mechanical mounting}
- <administratively transferred to [G01J 4/04](#)>
- D G01J 2004/008
- {Polarisation rate}
- <administratively transferred to [G01J 4/04](#)>

**Project: RP0691-F (G01K)**

**U G01K 5/00** Measuring temperature based on the expansion or contraction of a material (**G01K 9/00** takes precedence; giving other than momentary value of temperature **G01K 3/00**)

**U G01K 5/02** · the material being a liquid (contained in a hollow body having parts which are deformable or displaceable under the pressure developed by the material **G01K 5/32**)

**M G01K 5/22** · · with provision for expansion indicating over not more than a few degrees

**WARNING**

Group G01K 5/22 is impacted by reclassification into groups G01K 13/20, G01K 13/25, and G01K 13/252.

All groups listed in this Warning should be considered in order to perform a complete search.

**U G01K 11/00** Measuring temperature based upon physical or chemical changes not covered by groups **G01K 3/00**, **G01K 5/00**, **G01K 7/00** or **G01K 9/00**

**U G01K 11/12** · using changes in colour, translucency or reflectance

**M G01K 11/14** · · of inorganic materials

**WARNING**

Group G01K 11/14 is incomplete pending reclassification of documents from group G01K 11/165.

Groups G01K 11/165 and G01K 11/14 should be considered in order to perform a complete search.

**U G01K 11/16** · · of organic materials

**M G01K 11/165** · · · of organic liquid crystals

**WARNING**

Group G01K 11/165 is impacted by reclassification into group G01K 11/14.

Groups G01K 11/165 and G01K 11/14 should be considered in order to perform a complete search.

**U G01K 13/00** Thermometers specially adapted for specific purposes

**M G01K 13/20** · Clinical contact thermometers for use with humans or animals

**WARNING**

Groups G01K 13/20, G01K 13/25, and G01K 13/252 are incomplete pending reclassification of documents from group G01K 5/22.

All groups listed in this Warning should be considered in order to perform a complete search.

**Project: RP0694-F (G01N)**

**U G01N 27/00** Investigating or analysing materials by the use of electric, electrochemical, or magnetic means (**G01N 3/00** – **G01N 25/00** take precedence; measurement or testing of electric or magnetic variables or of electric or magnetic properties of materials **G01R**)

**M G01N 27/62** · by investigating the ionisation of gases, e.g. aerosols; by investigating electric discharges, e.g. emission of cathode

**WARNING**

Group G01N 27/62 is impacted by reclassification into group G01N 27/623.

Groups G01N 27/62 and G01N 27/623 should be considered in order to perform a complete search.

- M G01N 27/622
- Ion mobility spectrometry
- WARNING**  
Group G01N 27/622 is impacted by reclassification into group G01N 27/623. Groups G01N 27/622 and G01N 27/623 should be considered in order to perform a complete search.
- M G01N 27/623
- combined with mass spectrometry
- WARNING**  
Group G01N 27/623 is incomplete pending reclassification of documents from groups G01N 27/62 and G01N 27/622. Groups G01N 27/62, G01N 27/622, and G01N 27/623 should be considered in order to perform a complete search.

**Project: RP0247-F (G01S)**

- M G01S 5/00
- Position-fixing by co-ordinating two or more direction or position line determinations; Position-fixing by co-ordinating two or more distance determinations {(using active systems [G01S 13/00](#), [G01S 15/00](#), [G01S 17/00](#))}**
- WARNING**  
Group G01S 5/00 is impacted by reclassification into groups G01S 5/01, G01S 5/011, G01S 5/012, G01S 5/013, G01S 5/014, G01S 5/015, G01S 5/016, G01S 5/017, G01S 5/018, and G01S 5/019. All groups listed in this Warning should be considered in order to perform a complete search.
- M G01S 5/01
- {Determining conditions which influence positioning, e.g. radio environment, state of motion or energy consumption}
- WARNING**  
Group G01S 5/01 is incomplete pending reclassification of documents from groups G01S 5/00, G01S 5/02, G01S 5/0205, G01S 19/48, and G01S 19/49. All groups listed in this Warning should be considered in order to perform a complete search.
- M G01S 5/011
- {Identifying the radio environment}
- WARNING**  
Group G01S 5/011 is incomplete pending reclassification of documents from groups G01S 5/00, G01S 5/02, G01S 5/0205, G01S 19/48, and G01S 19/49. All groups listed in this Warning should be considered in order to perform a complete search.
- M G01S 5/012
- {Identifying whether indoors or outdoors}
- WARNING**  
Group G01S 5/012 is incomplete pending reclassification of documents from groups G01S 5/00, G01S 5/02, G01S 5/0205, G01S 19/48, and G01S 19/49. All groups listed in this Warning should be considered in order to perform a complete search.
- M G01S 5/013
- {Identifying areas in a building}
- WARNING**  
Group G01S 5/013 is incomplete pending reclassification of documents from groups G01S 5/00, G01S 5/02, G01S 5/0205, G01S 19/48, and G01S 19/49. All groups listed in this Warning should be considered in order to perform a complete search.

- M G01S 5/014
- {Identifying transitions between environments}
- WARNING**  
Group G01S 5/014 is incomplete pending reclassification of documents from groups G01S 5/00, G01S 5/02, G01S 5/0205, G01S 19/48, and G01S 19/49. All groups listed in this Warning should be considered in order to perform a complete search.
- M G01S 5/015
- • {between indoor and outdoor environments}
- WARNING**  
Group G01S 5/015 is incomplete pending reclassification of documents from groups G01S 5/00, G01S 5/02, G01S 5/0205, G01S 19/48, and G01S 19/49. All groups listed in this Warning should be considered in order to perform a complete search.
- M G01S 5/016
- • {between areas within a building}
- WARNING**  
Group G01S 5/016 is incomplete pending reclassification of documents from groups G01S 5/00, G01S 5/02, G01S 5/0205, G01S 19/48, and G01S 19/49. All groups listed in this Warning should be considered in order to perform a complete search.
- M G01S 5/017
- {Detecting state or type of motion}
- WARNING**  
Group G01S 5/017 is incomplete pending reclassification of documents from groups G01S 5/00, G01S 5/02, G01S 5/0205, G01S 19/48, and G01S 19/49. All groups listed in this Warning should be considered in order to perform a complete search.
- M G01S 5/018
- {Involving non-radio wave signals or measurements}
- WARNING**  
Group G01S 5/018 is incomplete pending reclassification of documents from groups G01S 5/00, G01S 5/02, G01S 5/0205, G01S 19/48, and G01S 19/49. All groups listed in this Warning should be considered in order to perform a complete search.
- M G01S 5/019
- {Energy consumption}
- WARNING**  
Group G01S 5/019 is incomplete pending reclassification of documents from groups G01S 5/00, G01S 5/02, G01S 5/0205, G01S 19/48, and G01S 19/49. All groups listed in this Warning should be considered in order to perform a complete search.
- M G01S 5/02
- using radio waves (using satellite radio beacon systems for determining position [G01S 19/00](#))
- WARNING**  
Group G01S 5/02 is impacted by reclassification into groups G01S 5/01, G01S 5/011, G01S 5/012, G01S 5/013, G01S 5/014, G01S 5/015, G01S 5/016, G01S 5/017, G01S 5/018, G01S 5/019, G01S 5/0244, G01S 5/0246, G01S 5/0249, G01S 5/02524, G01S 5/02525, G01S 5/02526, G01S 5/02527, G01S 5/02529, G01S 5/0269, G01S 5/02695, G01S 5/0295, G01S 5/02955, G01S 2205/01, G01S 2205/02, G01S 2205/03, G01S 2205/04, G01S 2205/05, G01S 2205/06, G01S 2205/07, G01S 2205/08, G01S 2205/09, and G01S 2205/10.

All groups listed in this Warning should be considered in order to perform a complete search.

M G01S 5/0205

- • {Details}

WARNING

Group G01S 5/0205 is impacted by reclassification into groups G01S 5/01, G01S 5/011, G01S 5/013, G01S 5/012, G01S 5/014, G01S 5/015, G01S 5/016, G01S 5/017, G01S 5/018, G01S 5/019, and G01S 5/0244. All groups listed in this Warning should be considered in order to perform a complete search.

M G01S 5/0215

- • • {Interference}

WARNING

Group G01S 5/0215 is impacted by reclassification into group G01S 5/0218. Groups G01S 5/0215 and G01S 5/0218 should be considered in order to perform a complete search.

M G01S 5/0218

- • • {Multipath in signal reception}

WARNING

Group G01S 5/0218 is incomplete pending reclassification of documents from group G01S 5/0215. Groups G01S 5/0215 and G01S 5/0218 should be considered in order to perform a complete search.

M G01S 5/0221

- • • {Receivers}

WARNING

Group G01S 5/0221 is impacted by reclassification into groups G01S 5/02213 and G01S 5/02216. Groups G01S 5/0221, G01S 5/02213, and G01S 5/02216 should be considered in order to perform a complete search.

M G01S 5/02213

- • • • {Receivers arranged in a network for determining the position of a transmitter}

WARNING

Group G01S 5/02213 is incomplete pending reclassification of documents from group G01S 5/0221. Groups G01S 5/0221 and G01S 5/02213 should be considered in order to perform a complete search.

M G01S 5/02216

- • • • • {Timing or synchronisation of the receivers}

WARNING

Group G01S 5/02216 is incomplete pending reclassification of documents from group G01S 5/0221. Groups G01S 5/0221 and G01S 5/02216 should be considered in order to perform a complete search.

M G01S 5/0242

- • • {Determining the position of transmitters to be subsequently used in positioning ([G01S 5/0289](#) takes precedence)}

WARNING

Group G01S 5/0242 is impacted by reclassification into group G01S 5/0249. Groups G01S 5/0242 and G01S 5/0249 should be considered in order to perform a complete search.

- M G01S 5/0244
- • {Accuracy or reliability of position solution or of measurements contributing thereto}
- WARNING**  
 Group G01S 5/0244 is incomplete pending reclassification of documents from groups G01S 5/02 and G01S 5/0205.  
 Groups G01S 5/02, G01S 5/0205, and G01S 5/0244 should be considered in order to perform a complete search.
- M G01S 5/0246
- {involving frequency difference of arrival or Doppler measurements (G01S 5/02685 takes precedence)}
- WARNING**  
 Group G01S 5/0246 is incomplete pending reclassification of documents from group G01S 5/02.  
 Groups G01S 5/02 and G01S 5/0246 should be considered in order to perform a complete search.
- M G01S 5/0249
- {Determining position using measurements made by a non-stationary device other than the device whose position is being determined}
- WARNING**  
 Group G01S 5/0249 is incomplete pending reclassification of documents from groups G01S 5/02 and G01S 5/0242.  
 Groups G01S 5/02, G01S 5/0242, and G01S 5/0249 should be considered in order to perform a complete search.
- M G01S 5/0252
- {Radio frequency fingerprinting}
- NOTE**  
 In this group, the following terms are used with the meaning indicated:
- Radio frequency fingerprints mean measurements or simulated values of radio frequency signal parameters, e.g. receiver signal strength indicator [RSSI] or identifiers or access point identifiers [Aplds] combined with coordinates of the positions at which the radio frequency fingerprints were measured.
  - "Radio-map" means a collection of radio frequency fingerprints.
- WARNING**  
 Group G01S 5/0252 is impacted by reclassification into groups G01S 5/02521, G01S 5/02522, G01S 5/02523, G01S 5/02524, G01S 5/02525, G01S 5/02526, G01S 5/02527, G01S 5/02528, and G01S 5/02529.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- M G01S 5/02521
- • {using a radio-map}
- WARNING**  
 Group G01S 5/02521 is incomplete pending reclassification of documents from group G01S 5/0252.  
 Groups G01S 5/0252 and G01S 5/02521 should be considered in order to perform a complete search.
- M G01S 5/02522
- • • {The radio-map containing measured values of non-radio values}
- WARNING**  
 Group G01S 5/02522 is incomplete pending reclassification of documents from group G01S 5/0252.  
 Groups G01S 5/0252 and G01S 5/02522 should be considered in order to perform a complete search.

- M G01S 5/02523 . . . . {Details of interaction of receiver with radio-map}
- WARNING  
 Group G01S 5/02523 is incomplete pending reclassification of documents from group G01S 5/0252.  
 Groups G01S 5/0252 and G01S 5/02523 should be considered in order to perform a complete search.
- M G01S 5/02524 . . . . {Creating or updating the radio-map}
- WARNING  
 Group G01S 5/02524 is incomplete pending reclassification of documents from groups G01S 5/02 and G01S 5/0252.  
 Groups G01S 5/02, G01S 5/0252, and G01S 5/02524 should be considered in order to perform a complete search.
- M G01S 5/02525 . . . . {Gathering the radio frequency fingerprints}
- WARNING  
 Group G01S 5/02525 is incomplete pending reclassification of documents from groups G01S 5/02 and G01S 5/0252.  
 Groups G01S 5/02, G01S 5/0252, and G01S 5/02525 should be considered in order to perform a complete search.
- M G01S 5/02526 . . . . . {using non-dedicated equipment, e.g. user equipment or crowd-sourcing}
- WARNING  
 Group G01S 5/02526 is incomplete pending reclassification of documents from groups G01S 5/02 and G01S 5/0252.  
 Groups G01S 5/02, G01S 5/0252, and G01S 5/02526 should be considered in order to perform a complete search.
- M G01S 5/02527 . . . . . {Detecting or resolving anomalies in the radio frequency fingerprints of the radio-map}
- WARNING  
 Group G01S 5/02527 is incomplete pending reclassification of documents from groups G01S 5/02 and G01S 5/0252.  
 Groups G01S 5/02, G01S 5/0252, and G01S 5/02527 should be considered in order to perform a complete search.
- M G01S 5/02528 . . . . {Simulating radio frequency fingerprints}
- WARNING  
 Group G01S 5/02528 is incomplete pending reclassification of documents from group G01S 5/0252.  
 Groups G01S 5/0252 and G01S 5/02528 should be considered in order to perform a complete search.
- M G01S 5/02529 . . . . {not involving signal parameters, i.e. only involving identifiers}
- WARNING  
 Group G01S 5/02529 is incomplete pending reclassification of documents from groups G01S 5/02 and G01S 5/0252.  
 Groups G01S 5/02, G01S 5/0252, and G01S 5/02529 should be considered in order to perform a complete search.

- M G01S 5/0257
- {Hybrid positioning (by coordinating position lines of different shape [G01S 5/12](#))}
- WARNING**  
Group G01S 5/0257 is impacted by reclassification into groups G01S 5/0258 and G01S 5/02585.  
Groups G01S 5/0257, G01S 5/0258, and G01S 5/02585 should be considered in order to perform a complete search.
- M G01S 5/0258
- • {by combining or switching between measurements derived from different systems}
- WARNING**  
Group G01S 5/0258 is incomplete pending reclassification of documents from group G01S 5/0257.  
Groups G01S 5/0257 and G01S 5/0258 should be considered in order to perform a complete search.
- M G01S 5/02585
- • • {at least one of the measurements being a non-radio measurement}
- WARNING**  
Group G01S 5/02585 is incomplete pending reclassification of documents from group G01S 5/0257.  
Groups G01S 5/0257 and G01S 5/02585 should be considered in order to perform a complete search.
- M G01S 5/0263
- • • {by combining or switching between positions derived from two or more separate positioning systems}
- WARNING**  
Group G01S 5/0263 is impacted by reclassification into group G01S 5/0264.  
Groups G01S 5/0263 and G01S 5/0264 should be considered in order to perform a complete search.
- M G01S 5/0264
- • • {at least one of the systems being a non-radio wave positioning system}
- WARNING**  
Group G01S 5/0264 is incomplete pending reclassification of documents from group G01S 5/0263.  
Groups G01S 5/0263 and G01S 5/0264 should be considered in order to perform a complete search.
- M G01S 5/0268
- • • {by deriving positions from different combinations of signals or of estimated positions in a single positioning system}
- WARNING**  
Group G01S 5/0268 is impacted by reclassification into group G01S 5/02685.  
Groups G01S 5/0268 and G01S 5/02685 should be considered in order to perform a complete search.
- M G01S 5/02685
- • • {involving dead reckoning based on radio wave measurements}
- WARNING**  
Group G01S 5/02685 is incomplete pending reclassification of documents from group G01S 5/0268.  
Groups G01S 5/0268 and G01S 5/02685 should be considered in order to perform a complete search.

- M G01S 5/0269
- {Inferred or constrained positioning, e.g. employing knowledge of the physical or electromagnetic environment, state of motion or other contextual information to infer or constrain a position}
- WARNING**  
~~Group G01S 5/0269 is incomplete pending reclassification of documents from group G01S 5/02.~~  
~~Groups G01S 5/02 and G01S 5/0269 should be considered in order to perform a complete search.~~
- M G01S 5/02695
- • {Constraining the position to lie on a curve or surface}
- WARNING**  
~~Group G01S 5/02695 is incomplete pending reclassification of documents from group G01S 5/02.~~  
~~Groups G01S 5/02 and G01S 5/02695 should be considered in order to perform a complete search.~~
- M G01S 5/0295
- {Proximity-based methods, e.g. position inferred from reception of particular signals}
- WARNING**  
~~Group G01S 5/0295 is incomplete pending reclassification of documents from group G01S 5/02.~~  
~~Groups G01S 5/02 and G01S 5/0295 should be considered in order to perform a complete search.~~
- M G01S 5/02955
- • {by computing a weighted average of the positions of the signal transmitters}
- WARNING**  
~~Group G01S 5/02955 is incomplete pending reclassification of documents from group G01S 5/02.~~  
~~Groups G01S 5/02 and G01S 5/02955 should be considered in order to perform a complete search.~~
- U G01S 19/00**     **Satellite radio beacon positioning systems; Determining position, velocity or attitude using signals transmitted by such systems**
- U G01S 19/38
- Determining a navigation solution using signals transmitted by a satellite radio beacon positioning system
- U G01S 19/39
- • the satellite radio beacon positioning system transmitting time-stamped messages, e.g. GPS [Global Positioning System], GLONASS [Global Orbiting Navigation Satellite System] or GALILEO
- U G01S 19/42
- • • Determining position
- M G01S 19/48
- • • • by combining or switching between position solutions derived from the satellite radio beacon positioning system and position solutions derived from a further system
- WARNING**  
~~Group G01S 19/48 is impacted by reclassification into groups G01S 5/01, G01S 5/011, G01S 5/012, G01S 5/013, G01S 5/014, G01S 5/015, G01S 5/016, G01S 5/017, G01S 5/018, G01S 5/019, and G01S 19/485.~~  
~~All groups listed in this Warning should be considered in order to perform a complete search.~~
- M G01S 19/485
- • • • {whereby the further system is an optical system or imaging system}
- WARNING**  
~~Group G01S 19/485 is incomplete pending reclassification of documents from groups G01S 19/48 and G01S 19/49.~~

~~Groups G01S 19/48, G01S 19/49, and G01S 19/485 should be considered in order to perform a complete search.~~

- M G01S 19/49
  - • • • whereby the further system is an inertial position system, e.g. loosely-coupled

**WARNING**

~~Group G01S 19/49 is impacted by reclassification into groups G01S 5/01, G01S 5/011, G01S 5/012, G01S 5/013, G01S 5/014, G01S 5/015, G01S 5/016, G01S 5/017, G01S 5/018, G01S 5/019, and G01S 19/485.  
All groups listed in this Warning should be considered in order to perform a complete search.~~

- U G01S 2205/00 **Position-fixing by co-ordinating two or more direction or position line determinations; Position-fixing by co-ordinating two or more distance determinations**

- M G01S 2205/01
  - specially adapted for specific applications

**WARNING**

~~Group G01S 2205/01 is incomplete pending reclassification of documents from group G01S 5/02.  
Groups G01S 5/02 and G01S 2205/01 should be considered in order to perform a complete search.~~

- M G01S 2205/02
  - Indoor

**WARNING**

~~Group G01S 2205/02 is incomplete pending reclassification of documents from group G01S 5/02.  
Groups G01S 5/02 and G01S 2205/02 should be considered in order to perform a complete search.~~

- M G01S 2205/03
  - Airborne

**WARNING**

~~Group G01S 2205/03 is incomplete pending reclassification of documents from group G01S 5/02.  
Groups G01S 5/02 and G01S 2205/03 should be considered in order to perform a complete search.~~

- M G01S 2205/04
  - Nautical

**WARNING**

~~Group G01S 2205/04 is incomplete pending reclassification of documents from group G01S 5/02.  
Groups G01S 5/02 and G01S 2205/04 should be considered in order to perform a complete search.~~

- M G01S 2205/05
  - Anti-theft or abduction

**WARNING**

~~Group G01S 2205/05 is incomplete pending reclassification of documents from group G01S 5/02.  
Groups G01S 5/02 and G01S 2205/05 should be considered in order to perform a complete search.~~

- M G01S 2205/06
  - Emergency

**WARNING**

~~Group G01S 2205/06 is incomplete pending reclassification of documents from group G01S 5/02.~~

Groups G01S 5/02 and G01S 2205/06 should be considered in order to perform a complete search:

M G01S 2205/07

- Military

**WARNING**

Group G01S 2205/07 is incomplete pending reclassification of documents from group G01S 5/02.  
Groups G01S 5/02 and G01S 2205/07 should be considered in order to perform a complete search:

M G01S 2205/08

- Sport

**WARNING**

Group G01S 2205/08 is incomplete pending reclassification of documents from group G01S 5/02.  
Groups G01S 5/02 and G01S 2205/08 should be considered in order to perform a complete search:

M G01S 2205/09

- for tracking people

**WARNING**

Group G01S 2205/09 is incomplete pending reclassification of documents from group G01S 5/02.  
Groups G01S 5/02 and G01S 2205/09 should be considered in order to perform a complete search:

M G01S 2205/10

- Elderly or infirm

**WARNING**

Group G01S 2205/10 is incomplete pending reclassification of documents from group G01S 5/02.  
Groups G01S 5/02 and G01S 2205/10 should be considered in order to perform a complete search:

**Project: RP10462 (G02B)**

M G02B 6/00

**Light guides; Structural details of arrangements comprising light guides and other optical elements, e.g. couplings**

M G02B 6/02

- Optical fibres with cladding *{with or without a coating}*

T G02B 6/02395

- {Glass optical fibre with a protective coating, e.g. two layer polymer coating deposited directly on a silica cladding surface during fibre manufacture ([G02B 6/02052](#), [G02B 6/02057](#), ~~[G02B 6/105](#)~~, ~~[G02B 6/024](#)~~, ~~[G02B 6/032](#)~~, ~~[G02B 6/105](#)~~, ~~[G02B 6/14](#)~~ take precedence; ~~optical cables, i.e. comprising protective structures external to the protective coating such as a jacket or plural coated optical fibres G02B 6/44~~; coating on fibre gratings ~~[G02B 6/02104](#)~~; ~~coating of glass to obtain optical fibres C03C 25/104~~; multilayer core or cladding [G02B 6/036](#); reinforcing splice joints [G02B 6/2558](#); *optical cables, i.e. comprising protective structures external to the protective coating such as a jacket or plural coated optical fibres G02B 6/44*; *coating of glass to obtain optical fibres C03C 25/104*}

**WARNING**

Group [G02B 6/02395](#) is incomplete pending reclassification of documents from group [G02B 6/4401](#).  
Groups [G02B 6/4401](#) and [G02B 6/02395](#) should be considered in order to perform a complete search.

U G02B 6/3807

- {Dismountable connectors, i.e. comprising plugs}

**Project: RP0597-F (G02B)**

- M G02B 6/3887 . . . . {Anchoring optical cables to connector housings, e.g. strain relief features}
- WARNING**  
Group G02B 6/3887 is impacted by reclassification into groups G02B 6/38875 and G02B 6/3888.  
Groups G02B 6/3887, G02B 6/38875 and G02B 6/3888 should be considered in order to perform a complete search.
- M G02B 6/38875 . . . . . {Protection from bending or twisting}
- WARNING**  
Group G02B 6/38875 is incomplete pending reclassification of documents from groups G02B 6/3887 and G02B 6/3889.  
Groups G02B 6/3887, G02B 6/3889 and G02B 6/38875 should be considered in order to perform a complete search.
- M G02B 6/3888 . . . . . {Protection from over-extension or over-compression}
- WARNING**  
Group G02B 6/3888 is incomplete pending reclassification of documents from groups G02B 6/3887 and G02B 6/3889.  
Groups G02B 6/3887, G02B 6/3889 and G02B 6/3888 should be considered in order to perform a complete search.
- M G02B 6/3889 . . . . . {using encapsulation for protection, e.g. adhesive, molding or casting resin}
- WARNING**  
Group G02B 6/3889 is impacted by reclassification into groups G02B 6/38875 and G02B 6/3888.  
Groups G02B 6/3889, G02B 6/38875 and G02B 6/3888 should be considered in order to perform a complete search.

**Project: RP10462 (G02B)**

- C G02B 6/3897 . . . . . {Connectors fixed to housings, ~~casings, frames, circuit boards~~ casing, frames or circuit boards (G02B 6/44528 takes precedence)}
- WARNING**  
Group G02B 6/3897 is impacted by reclassification into group G02B 6/44528.  
Groups G02B 6/3897 and G02B 6/44528 should be considered in order to perform a complete search.
- U G02B 6/44 . . . . . {Mechanical structures for providing tensile strength and external protection for fibres, e.g. optical transmission cables (cables incorporating electric conductors and optical fibres {where features relating to the optical fibres are not of interest} H01B 11/22)}
- C G02B 6/4401 . . . . . {Optical cables (glass fibres with a protective coating G02B 6/02395)}
- WARNING**  
Group G02B 6/4401 is impacted by reclassification into group G02B 6/02395.  
Groups G02B 6/4401 and G02B 6/02395 should be considered in order to perform a complete search.
- U G02B 6/4415 . . . . . {Cables for special applications (G02B 6/4429, G02B 6/4439, G02B 6/4479 take precedence)}

- C G02B 6/4416 . . . . {Heterogeneous cables}
- WARNING  
Group [G02B 6/4416](#) is impacted by reclassification into group [G02B 6/44265](#).  
Groups [G02B 6/4416](#) and [G02B 6/44265](#) should be considered in order to perform a complete search.
- U G02B 6/4422 . . . . . {of the overhead type}
- M G02B 6/4426 . . . . . {~~Reducing~~ specially adapted for reducing drag caused by ~~wired~~ the wire, e.g. by oval cross-section}
- N G02B 6/44265 . . . . . {Fibre-to-antenna cables; Auxiliary devices thereof}
- WARNING  
Group [G02B 6/44265](#) is incomplete pending reclassification of documents from group [G02B 6/4416](#).  
Groups [G02B 6/4416](#) and [G02B 6/44265](#) should be considered in order to perform a complete search.
- C G02B 6/4429 . . . . {~~Strengthening and protecting features~~ Means specially adapted for strengthening or protecting the cables} (~~G02B 6/4492, G02B 6/4494, G02B 6/4496 take precedence~~)
- WARNING  
Group [G02B 6/4429](#) is impacted by reclassification into groups [G02B 6/44382](#), [G02B 6/44384](#) and [G02B 6/44386](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- C G02B 6/443 . . . . . {Protective covering}
- WARNING  
Group [G02B 6/443](#) is impacted by reclassification into group [G02B 6/4431](#).  
Groups [G02B 6/443](#) and [G02B 6/4431](#) should be considered in order to perform a complete search.
- N G02B 6/4431 . . . . . {with provision in the protective covering, e.g. weak line, for gaining access to one or more fibres, e.g. for branching or tapping (break-out terminations [G02B 6/4471](#))}
- WARNING  
Group [G02B 6/4431](#) is incomplete pending reclassification of documents from group [G02B 6/443](#).  
Groups [G02B 6/443](#) and [G02B 6/4431](#) should be considered in order to perform a complete search.
- M G02B 6/4438 . . . . . {for facilitating insertion by fluid drag in ducts or capillaries}
- N G02B 6/44382 . . . . . {the means comprising hydrogen absorbing materials ([G02B 6/4439](#), [G02B 6/4479](#) take precedence)}
- WARNING  
Group [G02B 6/44382](#) is incomplete pending reclassification of documents from group [G02B 6/4429](#).  
Groups [G02B 6/4429](#) and [G02B 6/44382](#) should be considered in order to perform a complete search.

- N G02B 6/44384 . . . . {the means comprising water blocking or hydrophobic materials ([G02B 6/4439](#), [G02B 6/4479](#) take precedence)}  
WARNING  
 Group [G02B 6/44384](#) is incomplete pending reclassification of documents from group [G02B 6/4429](#).  
 Groups [G02B 6/4429](#) and [G02B 6/44384](#) should be considered in order to perform a complete search.
  
- N G02B 6/44386 . . . . {Freeze-prevention means ([G02B 6/4439](#), [G02B 6/4479](#) take precedence)}  
WARNING  
 Group [G02B 6/44386](#) is incomplete pending reclassification of documents from group [G02B 6/4429](#).  
 Groups [G02B 6/4429](#) and [G02B 6/44386](#) should be considered in order to perform a complete search.
  
- M G02B 6/4439 . . . {Auxiliary devices}
- M G02B 6/444 . . . . {Systems **and/or** boxes with surplus **length/lengths**}
- C G02B 6/4441 . . . . {**[Boxes]Boxes**}

WARNING  
 Group [G02B 6/4441](#) is impacted by reclassification into group [G02B 6/44515](#).  
 Groups [G02B 6/4441](#) and [G02B 6/44515](#) should be considered in order to perform a complete search.

  
- M G02B 6/4442 . . . . . {Cap coupling boxes}
- M G02B 6/4444 . . . . . {Seals}
- M G02B 6/4445 . . . . . {Divided base plates}
- C G02B 6/4446 . . . . . {**Cableboxes** *Cable boxes, e.g. splicing boxes with two or more multi fibre cables*}

WARNING  
 Group [G02B 6/4446](#) is impacted by reclassification into group [G02B 6/44465](#).  
 Groups [G02B 6/4446](#) and [G02B 6/44465](#) should be considered in order to perform a complete search.

  
- N G02B 6/44465 . . . . . {Seals}  
WARNING  
 Group [G02B 6/44465](#) is incomplete pending reclassification of documents from group [G02B 6/4446](#).  
 Groups [G02B 6/4446](#) and [G02B 6/44465](#) should be considered in order to perform a complete search.
  
- M G02B 6/4447 . . . . . {with divided shells ([G02B 6/4448](#) takes precedence)}
- M G02B 6/4448 . . . . . ~~→~~ {**electro***Electro*-optic}
- M G02B 6/445 . . . . . ~~→~~ {with lateral pivoting cover}
- D G02B 6/4451 . . . . . {underground connection boxes (~~G02B 6/4448~~ takes precedence)}  
 <administratively transferred to [G02B 6/501](#)>

- N G02B 6/44515 . . . . {Fibre drop terminals with surplus length (without surplus length [G02B 6/4472](#))}
- WARNING  
Group [G02B 6/44515](#) is incomplete pending reclassification of documents from group [G02B 6/4441](#).  
Groups [G02B 6/4441](#) and [G02B 6/44515](#) should be considered in order to perform a complete search.
- C G02B 6/4452 . . . . {Distribution frames}
- WARNING  
Group [G02B 6/4452](#) is impacted by reclassification into groups [G02B 6/44524](#), [G02B 6/44526](#), [G02B 6/44528](#) and [G02B 6/44529](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N G02B 6/44524 . . . . {with frame parts or auxiliary devices mounted on the frame and collectively not covering a whole width of the frame or rack (cassettes [G02B 6/4453](#))}
- WARNING  
Group [G02B 6/44524](#) is incomplete pending reclassification of documents from group [G02B 6/4452](#).  
Groups [G02B 6/4452](#) and [G02B 6/44524](#) should be considered in order to perform a complete search.
- N G02B 6/44526 . . . . {Panels or rackmounts covering a whole width of the frame or rack}
- WARNING  
Group [G02B 6/44526](#) is incomplete pending reclassification of documents from group [G02B 6/4452](#).  
Groups [G02B 6/4452](#) and [G02B 6/44526](#) should be considered in order to perform a complete search.
- N G02B 6/44528 . . . . {Patch-cords; Connector arrangements in the system or in the box (routing arrangements [H04Q 1/00](#))}
- WARNING  
Group [G02B 6/44528](#) is incomplete pending reclassification of documents from groups [G02B 6/3897](#) and [G02B 6/4452](#).  
Groups [G02B 6/3897](#), [G02B 6/4452](#) and [G02B 6/44528](#) should be considered in order to perform a complete search.
- N G02B 6/44529 . . . . {Optical means for identifying patch-cords}
- WARNING  
Group [G02B 6/44529](#) is incomplete pending reclassification of documents from group [G02B 6/4452](#).  
Groups [G02B 6/4452](#) and [G02B 6/44529](#) should be considered in order to perform a complete search.
- M G02B 6/4453 . . . . {Cassettes}
- M G02B 6/4454 . . . . {with splices}
- M G02B 6/4455 . . . . {characterised by the way of extraction or insertion of the cassette in the distribution frame, e.g. pivoting, sliding, rotating, or gliding}
- M G02B 6/4457 . . . . {Bobbins; Reels}
- M G02B 6/4458 . . . . {coiled Coiled, e.g. extensible helix}
- M G02B 6/4459 . . . . {Ducts; Conduits}; Hollow tubes for air blown fibres}
- M G02B 6/446 . . . . {Desiccating features comprising desiccating means}

- M G02B 6/4461 . . . . - {~~articulated~~*Articulated*}
- D G02B 6/4463 . . . . {Mechanical aspects of installing cables in ducts or the like (methods or apparatus for laying electrical cables through tubing or conduit H02G 1/08)}  
<administratively transferred to [G02B 6/50](#)>
- D G02B 6/4464 . . . . - {by fluid drag (G02B 6/4466 takes precedence)}  
<administratively transferred to [G02B 6/52](#)>
- D G02B 6/4465 . . . . - {Pulling eyes (G02B 6/4466 takes precedence)}  
<administratively transferred to [G02B 6/545](#)>
- D G02B 6/4466 . . . . - {for buildings}  
<administratively transferred to [G02B 6/475](#)>
- D G02B 6/4467 . . . . - {Repair sets}  
<administratively transferred to [G02B 6/564](#)>
- M G02B 6/4469 . . . . - {Security aspects}
- D G02B 6/447 . . . . - {locatable, e.g. magnetic means (detection of buried cables G01V)}  
<administratively transferred to [G02B 6/562](#)>
- C G02B 6/4471 . . . . - {~~terminating, fan-out, clamping, strain-relieving or like~~*Terminating* devices (demountable connectors [G02B 6/3807](#)); *Cable clamps*}
- WARNING**  
Group [G02B 6/4471](#) is impacted by reclassification into groups [G02B 6/44715](#), [G02B 6/44765](#) and [G02B 6/44775](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N G02B 6/44715 . . . . - {Fan-out devices}
- WARNING**  
Group [G02B 6/44715](#) is incomplete pending reclassification of documents from group [G02B 6/4471](#).  
Groups [G02B 6/4471](#) and [G02B 6/44715](#) should be considered in order to perform a complete search.
- M G02B 6/4472 . . . . - {Manifolds}
- M G02B 6/4473 . . . . - {Three-way systems}
- M G02B 6/4475 . . . . - {with provision for lateral branching (~~G02B 6/4495~~[G02B 6/4431](#) takes precedence)}
- M G02B 6/4476 . . . . - {with heat-shrinkable elements}
- N G02B 6/44765 . . . . - {with means for strain-relieving to exterior cable layers}
- WARNING**  
Group [G02B 6/44765](#) is incomplete pending reclassification of documents from group [G02B 6/4471](#).  
Groups [G02B 6/4471](#) and [G02B 6/44765](#) should be considered in order to perform a complete search.
- C G02B 6/4477 . . . . - {~~Strain~~*with means for strain*-relieving to interior strengths element}
- WARNING**  
Group [G02B 6/4477](#) is impacted by reclassification into group [G02B 6/44775](#).  
Groups [G02B 6/4477](#) and [G02B 6/44775](#) should be considered in order to perform a complete search.

- N G02B 6/44775 . . . . {Cable seals e.g. feed-through (cable seals integrated to the box seals [G02B 6/4444](#); pulling eyes [G02B 6/44465](#))}
- WARNING  
Group [G02B 6/44775](#) is incomplete pending reclassification of documents from groups [G02B 6/4471](#) and [G02B 6/4477](#).  
Groups [G02B 6/4471](#), [G02B 6/4477](#) and [G02B 6/44775](#) should be considered in order to perform a complete search.
- C G02B 6/4478 . . . . - {Bending relief *means*}
- WARNING  
Group [G02B 6/4478](#) is impacted by reclassification into group [G02B 6/44785](#).  
Groups [G02B 6/4478](#) and [G02B 6/44785](#) should be considered in order to perform a complete search.
- N G02B 6/44785 . . . . {Cable clamps}
- WARNING  
Group [G02B 6/44785](#) is incomplete pending reclassification of documents from group [G02B 6/4478](#).  
Groups [G02B 6/4478](#) and [G02B 6/44785](#) should be considered in order to perform a complete search.
- M G02B 6/4479 . . . - {~~Fabrication methods~~ *Manufacturing methods of optical cables*}
- M G02B 6/448 . . . . - {~~ribbon~~ *Ribbon* cables}
- M G02B 6/4482 . . . . - {~~code~~ *Code* or colour marking}
- M G02B 6/4483 . . . . - {Injection or filling devices (~~hydrogen absorbing materials G02B 6/4492; water blocking or hydrophobic materials G02B 6/4494~~)}
- M G02B 6/4484 . . . . - {with desired surplus length between fibres and protection *feature* *features*}
- M G02B 6/4485 . . . . - {Installing in protective tubing by fluid drag *during manufacturing*}
- M G02B 6/4486 . . . . - {~~protective~~ *Protective* covering}
- M G02B 6/4488 . . . . - {~~with metallic tube~~ *using metallic tubes*}
- M G02B 6/4489 . . . . - {of central supporting ~~member~~ *members* of lobe structure}
- M G02B 6/449 . . . . - {~~twisting~~ *Twisting*}
- M G02B 6/4491 . . . . - {in a lobe structure}
- D G02B 6/4492 . . . {provided with hydrogen absorbing materials (G02B 6/4439, G02B 6/4479 take precedence)}  
<administratively transferred to [G02B 6/44382](#)>
- D G02B 6/4494 . . . {provided with water blocking or hydrophobic materials (G02B 6/4439, G02B 6/4479 take precedence)}  
<administratively transferred to [G02B 6/44384](#)>
- D G02B 6/4495 . . . {with provision in the cable protection, e.g. weak line, for gaining access to one or more fibres, e.g. for branching or tapping (break-out terminations G02B 6/4439)}  
<administratively transferred to [G02B 6/4431](#)>
- D G02B 6/4496 . . . {Freeze-prevention means (G02B 6/4439, G02B 6/4479 take precedence)}  
<administratively transferred to [G02B 6/44386](#)>
- D G02B 6/4497 . . . {Devices for opening or removing the mantle}  
<administratively transferred to [G02B 6/566](#)>

- D G02B 6/4498 . . . {for ribbon cables}  
<administratively transferred to [G02B 6/567](#)>
- C G02B 6/46 . Processes or apparatus adapted for installing *{or repairing}* optical fibres or optical cables (installation of cables containing electric conductors and optical fibres [H02G](#))
- WARNING**  
Group [G02B 6/46](#) is impacted by reclassification into groups [G02B 6/47](#), [G02B 6/475](#), [G02B 6/477](#), [G02B 6/56](#), [G02B 6/562](#), [G02B 6/564](#), [G02B 6/566](#) and [G02B 6/567](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N G02B 6/47 . . {Installation in buildings}
- WARNING**  
Groups [G02B 6/47](#), [G02B 6/475](#) and [G02B 6/477](#) are incomplete pending reclassification of documents from group [G02B 6/46](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N G02B 6/475 . . . {Mechanical aspects of installing cables in ducts or the like for buildings}
- N G02B 6/477 . . . {Wall sockets}
- C G02B 6/50 . . Underground or underwater installation; Installation through tubing, conduits or ducts
- WARNING**  
Group [G02B 6/50](#) is impacted by reclassification into group [G02B 6/501](#).  
Groups [G02B 6/50](#) and [G02B 6/501](#) should be considered in order to perform a complete search.
- N G02B 6/501 . . . {underground installation of connection boxes}
- WARNING**  
Group [G02B 6/501](#) is incomplete pending reclassification of documents from group [G02B 6/50](#).  
Groups [G02B 6/50](#) and [G02B 6/501](#) should be considered in order to perform a complete search.
- M G02B 6/52 . . . using **fluids***fluid*, e.g. air
- C G02B 6/54 . . . using mechanical means, e.g. pulling or pushing devices
- WARNING**  
Group [G02B 6/54](#) is impacted by reclassification into group [G02B 6/545](#).  
Groups [G02B 6/54](#) and [G02B 6/545](#) should be considered in order to perform a complete search.
- N G02B 6/545 . . . . {Pulling eyes ([G02B 6/475](#) takes precedence)}
- WARNING**  
Group [G02B 6/545](#) is incomplete pending reclassification of documents from group [G02B 6/54](#).  
Groups [G02B 6/54](#) and [G02B 6/545](#) should be considered in order to perform a complete search.
- N G02B 6/56 . . {Processes for repairing optical cables}
- WARNING**  
Groups [G02B 6/56](#), [G02B 6/562](#), [G02B 6/564](#), [G02B 6/566](#) and [G02B 6/567](#) are incomplete pending reclassification of documents from group [G02B 6/46](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- N G02B 6/562 . . . {locatable, e.g. using magnetic means}
- N G02B 6/564 . . . {Repair sets}
- N G02B 6/566 . . . {Devices for opening or removing the mantle}
- N G02B 6/567 . . . . {for ribbon cables}

### Project: RP10475 (G03F)

- U G03F 7/00 **Photomechanical, e.g. photolithographic, production of textured or patterned surfaces, e.g. printing surfaces; Materials therefor, e.g. comprising photoresists; Apparatus specially adapted therefor (using photoresist structures for special production processes, see the relevant places, e.g. [B44C](#), [H01L](#), e.g. [H01L 21/00](#), [H05K](#))**
  - U G03F 7/20 . Exposure; Apparatus therefor (photographic printing apparatus for making copies [G03B 27/00](#))
  - D G03F 2007/2067 . . {Apparatus for microlithography}  
<administratively transferred to [G03F 7/70](#)>
  - T G03F 7/70 . {~~Exposure apparatus for microlithography~~; *Microphotolithographic exposure; Apparatus therefor (photo-masks [G03F 1/00](#))*}
- WARNING**  
Group [G03F 7/70](#) is incomplete pending reclassification of documents from group [G03F 7/70375](#).  
Groups [G03F 7/70375](#) and [G03F 7/70](#) should be considered in order to perform a complete search.
- U G03F 7/70008 . . {Production of exposure light, i.e. light sources}
  - M G03F 7/70016 . . . {by discharge lamps ~~(discharge lamps per se [H01J 61/00](#))~~}
  - M G03F 7/70025 . . . {by lasers ~~(lasers per se [H01S 3/00](#))~~}
  - M G03F 7/70033 . . . {by plasma ~~EUV sources~~ *extreme ultraviolet [EUV] sources* ~~(plasma EUV sources per se [H05G 2/00](#))~~}
  - M G03F 7/70041 . . . {by pulsed sources, *e.g. multiplexing, pulse duration, interval control or intensity control*}
  - M G03F 7/7005 . . . {by multiple sources, *e.g. light-emitting diodes [LED] or light source arrays* (addressable array sources specially adapted to produce patterns *without a mask [G03F 7/70391](#)*)}
  - U G03F 7/70058 . . {Mask illumination systems}
  - M G03F 7/70066 . . . {Size and form of the illuminated area in the mask plane, e.g. ~~REMA~~ *reticle masking blades or blinds*}
  - M G03F 7/70075 . . . {Homogenization of illumination intensity in the mask plane; by using an integrator, e.g. fly's eye ~~lenses, facet mirrors, glass rods~~ *lens, facet mirror or glass rod*, by using a ~~diffusive~~ *diffusing* optical element or by beam deflection}
  - M G03F 7/70091 . . . {Illumination settings, i.e. intensity distribution in the pupil plane; *or* angular distribution in the field plane; On-axis or off-axis settings, e.g. annular, dipole, ~~quadrupole~~ *or quadrupole settings*; Partial coherence control, i.e. sigma or numerical aperture [NA]}
  - M G03F 7/70108 . . . . {Off-axis setting using a light-guiding element, *e.g. diffractive optical elements [DOEs] or light guides*}
  - M G03F 7/70116 . . . . {Off-axis setting using a programmable means, e.g. ~~LCD or DMD~~ *liquid crystal display [LCD], digital micromirror device [DMD] or pupil facets*}

- M G03F 7/70141 . . . {Illumination system adjustment, *e.g. adjustments during exposure or alignment during assembly of illumination system* (~~alignment of mask with workpiece G03F 9/70~~)}
- U G03F 7/7015 . . . {Details of optical elements}
- M G03F 7/70166 . . . . {Capillary or channel elements, *e.g. nested EUV mirrors extreme ultraviolet [EUV] mirrors or shells, optical fibers or light guides*}
- M G03F 7/70175 . . . . {Lamphouse reflector arrangements *or collector mirrors*, *i.e. collecting light from solid angle upstream of the light source*}
- M G03F 7/70183 . . . . {Zoom systems *for adjusting beam diameter*}
- M G03F 7/70191 . . . {Optical correction elements, filters or phase plates for controlling intensity, wavelength, *polarization polarisation*, phase or the like}
- NOTE  
Wavelength or polarisation control is further classified in groups [G03F 7/70566](#), [G03F 7/70575](#)
- M G03F 7/702 . . . . {Reflective illumination, *i.e. reflective optical elements other than folding mirrors, e.g. extreme ultraviolet [EUV] illumination systems*}
- M G03F 7/70208 . . . . {Multiple illumination paths, *e.g. radiation distribution device, multiplexer, demultiplexer devices, microlens illumination systems, multiplexers or demultiplexers* for single or multiple projection systems}
- M G03F 7/70216 . . . {~~Systems for imaging mask onto workpiece~~ *Mask projection systems*}
- M G03F 7/70225 . . . . {~~Catadioptric~~ *Optical aspects of catadioptric* systems, *i.e. documents describing optical design aspect details comprising reflective and refractive elements*}
- NOTE  
Catadioptric systems are further classified in group [G02B 17/0892](#)
- M G03F 7/70233 . . . . {Optical aspects of catoptric systems, *i.e. comprising only reflective elements, e.g. extreme ultraviolet [EUV] projection systems*}
- NOTE  
Further aspects of catoptric systems are classified in group [G02B 17/06](#)
- M G03F 7/70241 . . . . {Optical aspects of refractive ~~systems~~ *lens systems, i.e. comprising only refractive elements*}
- NOTE  
Further aspects of refractive systems are classified in group [G02B 13/143](#)
- M G03F 7/7025 . . . . {Size or form of projection system aperture}, *e.g. aperture stops, diaphragms or pupil obscuration; Control thereof*}
- M G03F 7/70258 . . . . {Projection system ~~adjustment~~ *adjustments, e.g. adjustments during exposure or alignment during assembly of projection system* (~~alignment of mask with workpiece G03F 9/70~~)}
- M G03F 7/70266 . . . . . {Adaptive optics, *e.g. deformable optical elements for wavefront control, e.g. for aberration adjustment or correction*}
- M G03F 7/70275 . . . . {Multiple projection paths, *e.g. array of projection systems, microlens projection systems; or tandem projection systems*}
- M G03F 7/70283 . . . . {~~Masks or their~~ *Mask* effects on the imaging process, *e.g. Fourier masks, greyscale masks, holographic masks, phase shift masks, phasemasks, lenticular masks, multiple masks, tilted masks, tandem masks* (~~masks per se G03F 1/00~~)}

- M G03F 7/70291 . . . {Addressable masks, e.g. spatial light modulators [SLMs], digital micro-mirror devices [DMDs] or liquid crystal display [LCD] patterning devices}
- M G03F 7/703 . . . {Non-planar pattern ~~area~~ areas or non-planar masks, e.g. curved masks or substrates}
- M G03F 7/70308 . . . {Optical correction elements, filters ~~and~~ or phase plates for manipulating imaging light, e.g. intensity, wavelength, ~~polarization, phase, image shift~~ polarisation, phase or image shift} (~~filters per se G02B 5/20~~)
- NOTE
- Wavelength or polarisation control is further classified in groups [G03F 7/70566](#), [G03F 7/70575](#)
- M G03F 7/70316 . . . {Details of optical elements, e.g. of Bragg reflectors ~~or~~, extreme ultraviolet [EUV] multilayer or bilayer mirrors or diffractive optical elements}
- NOTES
1. Particular optical materials are further classified in group [G03F 7/70958](#);
  2. Multilayer reflectors for X-ray or EUV lithography are further classified in group [G21K 1/062](#)
- M G03F 7/70325 . . . {Resolution enhancement techniques not otherwise provided for, e.g. darkfield imaging, interfering beams, spatial frequency multiplication, nearfield ~~lens~~ lenses or solid immersion lenses}
- M G03F 7/70333 . . . {Focus drilling, e.g. FLEX i.e. increase in depth of focus for exposure by modulating focus during exposure [FLEX]}
- M G03F 7/70341 . . . {Immersion Details of immersion lithography aspects, e.g. exposure media or control of immersion liquid supply (chemical composition of immersion liquids [G03F 7/2041](#))}
- M G03F 7/7035 . . . {Proximity or contact ~~printer~~ printers}
- U G03F 7/70358 . . . {Scanning exposure, i.e. relative movement of patterned beam and workpiece during imaging}
- C G03F 7/70375 . . . {Imaging systems not otherwise provided for, e.g. multiphoton lithography Multiphoton lithography or multiphoton photopolymerization; Imaging systems comprising means for converting one type of radiation into another type of radiation, ~~systems comprising mask with photo-cathode~~}
- WARNING
- Group [G03F 7/70375](#) is impacted by reclassification into group [G03F 7/70](#). Groups [G03F 7/70375](#) and [G03F 7/70](#) should be considered in order to perform a complete search.
- M G03F 7/70383 . . . {Direct write, i.e. pattern is written directly without the use of a mask by one or multiple beams ("~~maskless~~" lithography using a programmable mask [G03F 7/70291](#) ~~maskless lithography using a programmable mask [G03F 7/70291](#)~~)}
- M G03F 7/70391 . . . {Addressable array sources specially adapted to produce patterns, e.g. addressable LED arrays (~~array sources for exposure apparatus comprising a mask [G03F 7/7005](#); illumination setting using programmable means in exposure apparatus comprising a mask [G03F 7/70116](#)~~)}
- M G03F 7/704 . . . {Scanned exposure beam, e.g. raster-, rotary- and vector scanning (mask projection exposure involving relative movement of patterned beam and workpiece during imaging [G03F 7/70358](#))}
- M G03F 7/70408 . . . {Interferometric lithography; Holographic lithography; Self-imaging lithography, e.g. utilizing the Talbot effect}

- C G03F 7/70416
- • {~~Stereolithography, 3D-printing, rapid prototyping~~ 2.5D lithography}
- NOTE  
{Apparatus for photolithographical production of three-dimensional images are further classified in group [G03F 7/0037](#) and group [B29C 64/00](#)}
- WARNING  
Group [G03F 7/70416](#) is impacted by reclassification into groups [B29C 64/00](#) - [B29C 64/40](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- M G03F 7/70425
- • {Imaging strategies, e.g. for increasing throughput **or resolution**, printing product fields larger than the image field; **or** compensating lithography- or non-lithography errors, e.g. proximity correction, mix-and-match, stitching; **or** double patterning}
- M G03F 7/70433
- • {Layout for increasing efficiency; **or** for compensating imaging errors, e.g. layout of exposure fields; **for reducing focus errors**; Use of mask features for increasing efficiency; **or** for compensating imaging errors (~~circuit design per se G06F 30/30; designing or making of mask G03F 1/00~~)}
- M G03F 7/70441
- • • {Optical proximity correction **[OPC]**}
- M G03F 7/7045
- • • {Hybrid **exposure exposures**, i.e. **combining multiple exposures of the same area using** different types of exposure **apparatus**, e.g. **combining** projection, proximity, direct write, interferometric, **uvUV**, x-ray, **particle beam or particle beam**}(~~constructional details G03F 7/70991~~)}
- M G03F 7/70458
- • • {Mix-and-match, i.e. multiple exposures of the same area using **similar types of exposure a similar type of exposure apparatus**, e.g. **UV exposure multiple exposures using a UV apparatus**}
- M G03F 7/70466
- • • {Multiple exposures, e.g. combination of fine and coarse exposures, double patterning; **or** multiple exposures for printing a single feature; ~~mix-and-match~~ (stitching [G03F 7/70475](#))}
- C G03F 7/70483
- • {**Information management; Active and passive control; Testing**; (~~Information management, control, testing, and wafer~~ **Wafer** monitoring, e.g. pattern monitoring (~~detection arrangements G03F 7/7085~~)}
- WARNING  
Group [G03F 7/70483](#) is impacted by reclassification into groups [G03F 7/70605](#), [G03F 7/70653](#), [G03F 7/70655](#), [G03F 7/70681](#), [G03F 7/706831](#), [G03F 7/706833](#), [G03F 7/706835](#) - [G03F 7/706841](#) and [G03F 7/706843](#) - [G03F 7/706851](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- C G03F 7/70491
- • • {**Information management, e.g. software**; (~~Information management and control, including software~~ **Active and passive control, e.g. details of controlling exposure processes or exposure tool monitoring processes**)}
- WARNING  
Group [G03F 7/70491](#) is impacted by reclassification into groups [G03F 7/70605](#), [G03F 7/70681](#), [G03F 7/706831](#), [G03F 7/706833](#), [G03F 7/706835](#) - [G03F 7/706841](#) and [G03F 7/706845](#).  
All groups listed in this Warning should be considered in order to perform a complete search.

- C G03F 7/705 . . . . {Modelling ~~and simulation~~ *or simulating* from physical phenomena up to complete wafer ~~process~~ *processes* or whole workflow in wafer ~~fabrication~~ *productions*}
- WARNING  
 Group G03F 7/705 is impacted by reclassification into groups G03F 7/70504, G03F 7/70605, G03F 7/70653, G03F 7/70681 - G03F 7/706833, G03F 7/706835 - G03F 7/706841, G03F 7/706843 and G03F 7/706845.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- N G03F 7/70504 . . . . {Optical system modelling, e.g. lens heating models}
- WARNING  
 Group G03F 7/70504 is incomplete pending reclassification of documents from group G03F 7/705.  
 Groups G03F 7/705 and G03F 7/70504 should be considered in order to perform a complete search.
- C G03F 7/70508 . . . . {Data handling; in all parts of the microlithographic apparatus, e.g. ~~addressable masks~~ *handling pattern data for addressable masks or data transfer to or from different components within the exposure apparatus*}
- WARNING  
 Group G03F 7/70508 is impacted by reclassification into groups G03F 7/70681, G03F 7/706831, G03F 7/706833, G03F 7/706835, G03F 7/706837 and G03F 7/706845.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- C G03F 7/70516 . . . . {Calibration of components of the microlithographic apparatus, e.g. light sources, addressable ~~mask~~, *masks or* detectors}
- WARNING  
 Group G03F 7/70516 is impacted by reclassification into groups G03F 7/70653, G03F 7/70655 and G03F 7/706845.  
 All groups listed in this Warning should be considered in order to perform a complete search.
- C G03F 7/70525 . . . . {Controlling normal operating mode, e.g. matching different apparatus, remote control; *or* prediction of failure}
- WARNING  
 Group G03F 7/70525 is impacted by reclassification into groups G03F 7/706835 - G03F 7/706841.  
 Groups G03F 7/70525 and G03F 7/706835 - G03F 7/706841 should be considered in order to perform a complete search.
- C G03F 7/70533 . . . . {Controlling abnormal operating mode, e.g. taking account of waiting time, decision to rework; *or* rework flow}
- WARNING  
 Group G03F 7/70533 is impacted by reclassification into groups G03F 7/706835 - G03F 7/706841.  
 Groups G03F 7/70533 and G03F 7/706835 - G03F 7/706841 should be considered in order to perform a complete search.
- M G03F 7/70541 . . . . {Tagging, i.e. hardware or software tagging of features or components, *e.g. using tagging scripts or tagging identifier codes for identification of chips, shots or wafers*}

- M G03F 7/7055 . . . {Exposure light control; in all parts of the microlithographic apparatus, e.g. pulse length control; *or* light interruption}
- M G03F 7/70558 . . . . {Dose control, i.e. achievement of a desired dose (~~determination of the required dose G03F 7/70625~~)}
- M G03F 7/70575 . . . . {Wavelength control, e.g. control of bandwidth, multiple wavelength, selection of wavelength; *or* matching of optical components to wavelength}
- M G03F 7/70583 . . . . {Speckle reduction, e.g. coherence control; *or* amplitude/wavefront splitting}
- M G03F 7/70591 . . . {Testing optical components (~~testing of optical mirrors G01M 11/005; testing of lenses G01M 11/02; stray light transmission G03F 7/70941~~)}
- M G03F 7/706 . . . . {Aberration measurement (~~aberration measurement in general G01M 11/0242~~)}
- N G03F 7/70605 . . . {Workpiece metrology}
- WARNING**  
Group [G03F 7/70605](#) is incomplete pending reclassification of documents from groups [G03F 7/70483](#), [G03F 7/70491](#) and [G03F 7/705](#). All groups listed in this Warning should be considered in order to perform a complete search.
- C G03F 7/70608 . . . . {~~Wafer resist monitoring~~ *Monitoring the unpatterned workpiece*, e.g. measuring thickness, reflectivity; *or* effects of immersion liquid on resist}
- WARNING**  
*Group G03F 7/70608 is impacted by reclassification into groups G03F 7/70653, G03F 7/70655, G03F 7/70681, G03F 7/706831, G03F 7/706833, G03F 7/706835 - G03F 7/706841 and G03F 7/706843 - G03F 7/706851. All groups listed in this Warning should be considered in order to perform a complete search.*
- C G03F 7/70616 . . . . {~~Wafer pattern monitoring, i.e. measuring printed patterns or the aerial image at the wafer plane~~ *Monitoring the printed patterns*} (~~optical metrology tools per se G01B 11/02 and G01B 9/04~~)
- WARNING**  
*Group G03F 7/70616 is impacted by reclassification into groups G03F 7/70653, G03F 7/70655, G03F 7/70666, G03F 7/70681, G03F 7/706831, G03F 7/706833, G03F 7/706835 - G03F 7/706841 and G03F 7/706843 - G03F 7/706851. All groups listed in this Warning should be considered in order to perform a complete search.*
- C G03F 7/70625 . . . . {~~Pattern dimensions~~ *Dimensions*, e.g. line width, *critical dimension [CD]*, profile, sidewall angle; *or* edge roughness}
- WARNING**  
*Group G03F 7/70625 is impacted by reclassification into groups G03F 7/70653, G03F 7/70655, G03F 7/70681, G03F 7/706831, G03F 7/706833, G03F 7/706835 - G03F 7/706841 and G03F 7/706843 - G03F 7/706851. All groups listed in this Warning should be considered in order to perform a complete search.*

- C G03F 7/70633 . . . . . {~~Overlay~~, i.e. relative alignment between patterns printed by separate exposures in different layers, or in the same layer in multiple exposures or stitching}~~(alignment between mask and wafer prior to exposure G03F 9/70)}~~
- WARNING  
Group [G03F 7/70633](#) is impacted by reclassification into groups [G03F 7/70653](#), [G03F 7/70655](#), [G03F 7/70681](#), [G03F 7/706831](#), [G03F 7/706833](#), [G03F 7/706835 - G03F 7/706841](#) and [G03F 7/706843 - G03F 7/706851](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- C G03F 7/70641 . . . . . {~~Focus~~~~(focus measurement prior to exposure G03F 9/7026)}~~
- WARNING  
Group [G03F 7/70641](#) is impacted by reclassification into groups [G03F 7/70653](#), [G03F 7/70655](#), [G03F 7/70681](#), [G03F 7/706831](#), [G03F 7/706833](#), [G03F 7/706835 - G03F 7/706841](#) and [G03F 7/706843 - G03F 7/706851](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- C G03F 7/7065 . . . . . {~~Defect inspection~~~~Defects, e.g. optical inspection of patterned layer for defects}~~~~(defect inspection apparatus per se G06T 7/0004; G01N 21/956)}~~
- WARNING  
Group [G03F 7/7065](#) is impacted by reclassification into groups [G03F 7/70653](#), [G03F 7/70655](#), [G03F 7/70681](#), [G03F 7/706831](#), [G03F 7/706833](#), [G03F 7/706835 - G03F 7/706841](#) and [G03F 7/706843 - G03F 7/706851](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N G03F 7/70653 . . . . . {Metrology techniques}
- WARNING  
Group [G03F 7/70653](#) is incomplete pending reclassification of documents from groups [G03F 7/70483](#), [G03F 7/705](#), [G03F 7/70516](#), [G03F 7/70608](#), [G03F 7/70616](#), [G03F 7/70625](#), [G03F 7/70633](#), [G03F 7/70641](#) and [G03F 7/7065](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N G03F 7/70655 . . . . . {Non-optical, e.g. atomic force microscope [AFM] or critical dimension scanning electron microscope [CD-SEM]}
- WARNING  
Group [G03F 7/70655](#) is incomplete pending reclassification of documents from groups [G03F 7/70483](#), [G03F 7/70516](#), [G03F 7/70608](#), [G03F 7/70616](#), [G03F 7/70625](#), [G03F 7/70633](#), [G03F 7/70641](#) and [G03F 7/7065](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- C G03F 7/70658 . . . . . {Electrical *testing*}
- WARNING  
Group [G03F 7/70658](#) is impacted by reclassification into groups [G03F 7/706833](#), [G03F 7/706835 - G03F 7/706841](#), [G03F 7/706843](#) and [G03F 7/706845](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- C G03F 7/70666 . . . . {~~using aerial image~~ Aerial image, i.e. measuring the image of the patterned exposure light at the image plane of the projection system}~~(aerial image measurement tools for mask inspection G03F 1/68)}~~

**WARNING**

Group [G03F 7/70666](#) is incomplete pending reclassification of documents from group [G03F 7/70616](#).  
Group [G03F 7/70666](#) is also impacted by reclassification into groups [G03F 7/70681](#) and [G03F 7/706835 - G03F 7/706841](#).  
All groups listed in this Warning should be considered in order to perform a complete search.

- C G03F 7/70675 . . . . {~~using latent image~~ Latent image, i.e. measuring the image of the exposed resist prior to development}

**WARNING**

Group [G03F 7/70675](#) is impacted by reclassification into groups [G03F 7/706831](#), [G03F 7/706833](#), [G03F 7/706835 - G03F 7/706841](#) and [G03F 7/706843 - G03F 7/706851](#).  
All groups listed in this Warning should be considered in order to perform a complete search.

- N G03F 7/70681 . . . . {Metrology strategies}

**WARNING**

Group [G03F 7/70681](#) is incomplete pending reclassification of documents from groups [G03F 7/70483](#), [G03F 7/70491](#), [G03F 7/705](#), [G03F 7/70508](#), [G03F 7/70608](#), [G03F 7/70616](#), [G03F 7/70625](#), [G03F 7/70633](#), [G03F 7/70641](#), [G03F 7/7065](#) and [G03F 7/70666](#).  
All groups listed in this Warning should be considered in order to perform a complete search.

- C G03F 7/70683 . . . . {~~using process control mark, i.e. specific mark~~ Mark designs}

**WARNING**

Group [G03F 7/70683](#) is incomplete pending reclassification of documents from group [G03F 7/705](#).  
Group [G03F 7/70683](#) is also impacted by reclassification into groups [G03F 7/706831](#), [G03F 7/706833](#), [G03F 7/706835 - G03F 7/706841](#), [G03F 7/706843](#) and [G03F 7/706845](#).  
All groups listed in this Warning should be considered in order to perform a complete search.

- N G03F 7/706831 . . . . {Recipe selection or optimisation, e.g. select or optimise recipe parameters such as wavelength, polarisation or illumination modes}

**WARNING**

Group [G03F 7/706831](#) is incomplete pending reclassification of documents from groups [G03F 7/70483](#), [G03F 7/70491](#), [G03F 7/705](#), [G03F 7/70508](#), [G03F 7/70608](#), [G03F 7/70616](#), [G03F 7/70625](#), [G03F 7/70633](#), [G03F 7/70641](#), [G03F 7/7065](#), [G03F 7/70675](#) and [G03F 7/70683](#).  
All groups listed in this Warning should be considered in order to perform a complete search.

- N G03F 7/706833 . . . . . {Sampling plan selection or optimisation, e.g. select or optimise the number, order or locations of measurements taken per die, workpiece, lot or batch}
- WARNING  
Group [G03F 7/706833](#) is incomplete pending reclassification of documents from groups [G03F 7/70483](#), [G03F 7/70491](#), [G03F 7/705](#), [G03F 7/70508](#), [G03F 7/70608](#), [G03F 7/70616](#), [G03F 7/70625](#), [G03F 7/70633](#), [G03F 7/70641](#), [G03F 7/7065](#), [G03F 7/70658](#), [G03F 7/70675](#) and [G03F 7/70683](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N G03F 7/706835 . . . . . {Metrology information management or control}
- WARNING  
Groups [G03F 7/706835](#) and [G03F 7/706837](#) are incomplete pending reclassification of documents from groups [G03F 7/70483](#), [G03F 7/70491](#), [G03F 7/705](#), [G03F 7/70508](#), [G03F 7/70525](#), [G03F 7/70533](#), [G03F 7/70608](#), [G03F 7/70616](#), [G03F 7/70625](#), [G03F 7/70633](#), [G03F 7/70641](#), [G03F 7/7065](#), [G03F 7/70658](#), [G03F 7/70666](#), [G03F 7/70675](#) and [G03F 7/70683](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N G03F 7/706837 . . . . . {Data analysis, e.g. filtering, weighting, flyer removal, fingerprints or root cause analysis}
- N G03F 7/706839 . . . . . {Modelling, e.g. modelling scattering or solving inverse problems}
- WARNING  
Groups [G03F 7/706839](#) and [G03F 7/706841](#) are incomplete pending reclassification of documents from groups [G03F 7/70483](#), [G03F 7/70491](#), [G03F 7/705](#), [G03F 7/70525](#), [G03F 7/70533](#), [G03F 7/70608](#), [G03F 7/70616](#), [G03F 7/70625](#), [G03F 7/70633](#), [G03F 7/70641](#), [G03F 7/7065](#), [G03F 7/70658](#), [G03F 7/70666](#), [G03F 7/70675](#) and [G03F 7/70683](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N G03F 7/706841 . . . . . {Machine learning}
- N G03F 7/706843 . . . . . {Metrology apparatus}
- WARNING  
Group [G03F 7/706843](#) is incomplete pending reclassification of documents from groups [G03F 7/70483](#), [G03F 7/705](#), [G03F 7/70608](#), [G03F 7/70616](#), [G03F 7/70625](#), [G03F 7/70633](#), [G03F 7/70641](#), [G03F 7/7065](#), [G03F 7/70658](#), [G03F 7/70675](#) and [G03F 7/70683](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N G03F 7/706845 . . . . . {Calibration, e.g. tool-to-tool calibration, beam alignment, spot position or focus}
- WARNING  
Group [G03F 7/706845](#) is incomplete pending reclassification of documents from groups [G03F 7/70483](#), [G03F 7/70491](#), [G03F 7/705](#), [G03F 7/70508](#), [G03F 7/70516](#), [G03F 7/70608](#), [G03F 7/70616](#), [G03F 7/70625](#), [G03F 7/70633](#), [G03F 7/70641](#), [G03F 7/7065](#), [G03F 7/70658](#), [G03F 7/70675](#) and [G03F 7/70683](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- N G03F 7/706847 . . . . {Production of measurement radiation, e.g. synchrotron, free-electron laser, plasma source or higher harmonic generation [HHG]}
- WARNING  
Group [G03F 7/706847](#) is incomplete pending reclassification of documents from groups [G03F 7/70483](#), [G03F 7/70608](#), [G03F 7/70616](#), [G03F 7/70625](#), [G03F 7/70633](#), [G03F 7/70641](#), [G03F 7/7065](#) and [G03F 7/70675](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N G03F 7/706849 . . . . {Irradiation branch, e.g. optical system details, illumination mode or polarisation control}
- WARNING  
Group [G03F 7/706849](#) is incomplete pending reclassification of documents from groups [G03F 7/70483](#), [G03F 7/70608](#), [G03F 7/70616](#), [G03F 7/70625](#), [G03F 7/70633](#), [G03F 7/70641](#), [G03F 7/7065](#) and [G03F 7/70675](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N G03F 7/706851 . . . . {Detection branch, e.g. detector arrangements, polarisation control, wavelength control or dark/bright field detection}
- WARNING  
Group [G03F 7/706851](#) is incomplete pending reclassification of documents from groups [G03F 7/70483](#), [G03F 7/70608](#), [G03F 7/70616](#), [G03F 7/70625](#), [G03F 7/70633](#), [G03F 7/70641](#), [G03F 7/7065](#) and [G03F 7/70675](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- M G03F 7/70691 . . {Handling of masks or **wafers workpieces**}
- M G03F 7/707 . . . {Chucks, e.g. chucking or un-chucking operations **or structural details**}(chucks for workpiece processing tools H01L-21/683 or H01L-21/687 depending on the type of chucking)}
- M G03F 7/70708 . . . . {being electrostatic; Electrostatically deformable vacuum chucks **(electrostatic chucks for workpiece processing tools H01L-21/6831)**}
- M G03F 7/70716 . . . {Stages **(stages for workpiece processing tools H01L-21/682)**}
- M G03F 7/70758 . . . {Drive means, e.g. **actuator, motor actuators, motors for long- or short-stroke modules or fine or coarse driving**}(**lens or mirror actuators G03F 7/70825**)}
- M G03F 7/70775 . . . {Position control, **e.g. interferometers or encoders for determining the stage position**}(**interferometers per se G01B-9/02; encoders per se G01D-5/00; alignment of mask with workpiece G03F-9/70**)}
- M G03F 7/70783 . . . {**Stress Handling stress** or warp of chucks, **mask or workpiece masks or workpieces**, e.g. to compensate for imaging **error errors or considerations related to warpage of masks or workpieces due to their own weight**}
- M G03F 7/70791 . . . {Large workpieces, e.g. **in the shape of web or polygon glass substrates for flat panel displays or solar panels**}
- M G03F 7/708 . . . {Construction of apparatus, e.g. environment **aspects**, hygiene aspects or materials}

- M G03F 7/70808 . . . {Construction details, e.g. housing, load-lock, seals; *or* windows for passing light in ~~and~~ *or* out of apparatus (~~load-lock chambers for workpiece processors in general H01L 21/67201~~)}
- M G03F 7/70816 . . . . {Bearings (~~fluid bearings per se F16C 32/06~~)}
- M G03F 7/70825 . . . . {Mounting of individual elements, e.g. mounts, holders or supports (~~mounts or supports for projection and illumination system and stages on base-plate or ground G03F 7/70833~~; workpiece *and**or* mask holders [G03F 7/707](#))}
- M G03F 7/70833 . . . . {Mounting of optical systems, e.g. mounting of illumination system, projection system or stage systems on base-plate or ground (~~mounting of individual elements of said systems G03F 7/70825~~)}
- M G03F 7/70841 . . . . {Constructional issues related to vacuum environment, *e.g. load-lock chamber*}
- U G03F 7/70858 . . . {Environment aspects, e.g. pressure of beam-path gas, temperature (pollution aspects [G03F 7/70916](#))}
- U G03F 7/70866 . . . . {of mask or workpiece}
- M G03F 7/70875 . . . . . {Temperature, *e.g. temperature control of masks or workpieces via control of stage temperature*}
- M G03F 7/709 . . . . {Vibration, e.g. vibration detection, compensation, suppression *or isolation*}
- M G03F 7/70908 . . . {Hygiene, e.g. preventing apparatus pollution, mitigating effect of pollution; *or* removing pollutants from apparatus}; ~~electromagnetic and electrostatic-charge pollution~~}
- M G03F 7/70925 . . . . {Cleaning, i.e. actively freeing apparatus from pollutants, *e.g. using plasma cleaning*}
- M G03F 7/70933 . . . . {Purge, *e.g. exchanging fluid or gas to remove pollutants*}
- U G03F 7/7095 . . . {Materials, e.g. materials for housing, stage or other support having particular properties, e.g. weight, strength, conductivity, thermal expansion coefficient}
- M G03F 7/70958 . . . . {Optical materials *and**or* coatings, e.g. with particular transmittance, reflectance *or anti-reflection properties*}; (~~details of optical elements G03F 7/70316~~)}
- M G03F 7/70975 . . . {Assembly, maintenance, transport *and**or* storage of apparatus}
- M G03F 7/70991 . . . {Connection with other apparatus, e.g. multiple exposure stations, particular arrangement of exposure apparatus and pre-exposure and/or post-exposure apparatus, ~~shared apparatus, e.g. having shared radiation source, shared mask or workpiece stage, shared base-plate, utilities, e.g. cable, pipe or wireless arrangements for data, power, fluids, vacuum (apparatus for processing a workpiece in a plurality of work-stations including at least one lithography chamber H01L 21/67225)~~}; *Shared apparatus, e.g. having shared radiation source, shared mask or workpiece stage, shared base-plate; Utilities, e.g. cable, pipe or wireless arrangements for data, power, fluids or vacuum*}

**Project: RP0453-F (G06Q)**

- U G06Q 20/00 **Payment architectures, schemes or protocols (apparatus for performing or posting payment transactions [G07F 7/08](#), [G07F 19/00](#); electronic cash registers [G07G 1/12](#))**
- U G06Q 20/08 . Payment architectures

- M G06Q 20/20
- Point-of-sale [POS] network systems
- WARNING**  
Group G06Q 20/20 is incomplete pending reclassification of documents from group G06Q 20/206.  
Groups G06Q 20/206 and G06Q 20/20 should be considered in order to perform a complete search.
- M G06Q 20/206
- {comprising security or operator identification provisions, e.g. password entry}
- WARNING**  
Group G06Q 20/206 is impacted by reclassification into group G06Q 20/20.  
Groups G06Q 20/206 and G06Q 20/20 should be considered in order to perform a complete search.
- M G06Q 20/30
- characterised by the use of specific devices {or networks}
- WARNING**  
Group G06Q 20/30 is impacted by reclassification into groups G06Q 20/306 and G06Q 20/308.  
Groups G06Q 20/30, G06Q 20/306, and G06Q 20/308 should be considered in order to perform a complete search.
- M G06Q 20/306
- {using TV related infrastructures (external card used for payment with client device [H04N 21/4185](#))}
- WARNING**  
Group G06Q 20/306 is incomplete pending reclassification of documents from group G06Q 20/30.  
Groups G06Q 20/30 and G06Q 20/306 should be considered in order to perform a complete search.
- M G06Q 20/308
- {using the Internet of Things}
- WARNING**  
Group G06Q 20/308 is incomplete pending reclassification of documents from group G06Q 20/30.  
Groups G06Q 20/30 and G06Q 20/308 should be considered in order to perform a complete search.
- M G06Q 20/32
- using wireless devices
- WARNING**  
Group G06Q 20/32 is impacted by reclassification into groups G06Q 20/321, G06Q 20/326, G06Q 20/3263, G06Q 20/3265, and G06Q 20/3267.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M G06Q 20/321
- {using wearable devices}
- WARNING**  
Group G06Q 20/321 is incomplete pending reclassification of documents from group G06Q 20/32.  
Groups G06Q 20/32 and G06Q 20/321 should be considered in order to perform a complete search.
- M G06Q 20/326
- {Payment applications installed on the mobile devices}
- WARNING**  
Groups G06Q 20/326 — G06Q 20/3267 are incomplete pending reclassification of documents from group G06Q 20/32.

Groups G06Q 20/32 and G06Q 20/326 — G06Q 20/3267 should be considered in order to perform a complete search.

- M G06Q 20/38
- Payment protocols; Details thereof
- WARNING  
Group G06Q 20/38 is impacted by reclassification into groups G06Q 20/384 and G06Q 20/386.  
Groups G06Q 20/38, G06Q 20/384, and G06Q 20/386 should be considered in order to perform a complete search.
- M G06Q 20/384
- • {using social networks}
- WARNING  
Group G06Q 20/384 is incomplete pending reclassification of documents from group G06Q 20/38.  
Groups G06Q 20/38 and G06Q 20/384 should be considered in order to perform a complete search.
- M G06Q 20/386
- • {using messaging services or messaging apps (using mobile network messaging services for payment, e.g. SMS [G06Q 20/3255](#))}
- WARNING  
Group G06Q 20/386 is incomplete pending reclassification of documents from group G06Q 20/38.  
Groups G06Q 20/38 and G06Q 20/386 should be considered in order to perform a complete search.
- U G06Q 20/40
- • Authorisation, e.g. identification of payer or payee, verification of customer or shop credentials; Review and approval of payers, e.g. check credit lines or negative lists
- M G06Q 20/401
- • • {Transaction verification}
- WARNING  
Group G06Q 20/401 is impacted by reclassification into groups G06Q 20/4015 and G06Q 20/40155.  
Groups G06Q 20/401, G06Q 20/4015, and G06Q 20/40155 should be considered in order to perform a complete search.
- M G06Q 20/4015
- • • • {using location information}
- WARNING  
Groups G06Q 20/4015 and G06Q 20/40155 are incomplete pending reclassification of documents from group G06Q 20/401.  
Groups G06Q 20/401, G06Q 20/4015, and G06Q 20/40155 should be considered in order to perform a complete search.

## Project: RP0647-F (G10D)

- M G10D 1/00
- General design of stringed musical instruments**
- WARNING  
Group G10D 1/00 is impacted by reclassification into group G10D 1/14.  
Groups G10D 1/00 and G10D 1/14 should be considered in order to perform a complete search.
- M G10D 1/04
- Plucked or strummed string instruments, e.g. harps or lyres
- WARNING  
Group G10D 1/04 is impacted by reclassification into group G10D 1/05.

Groups G10D 1/04 and G10D 1/05 should be considered in order to perform a complete search.

- M G10D 1/05
- with fret boards or fingerboards

WARNING

Group G10D 1/05 is incomplete pending reclassification of documents from group G10D 1/04.

Groups G10D 1/04 and G10D 1/05 should be considered in order to perform a complete search.

- M G10D 1/14
- Struck string instruments, e.g. dulcimers

WARNING

Group G10D 1/14 is incomplete pending reclassification of documents from groups G10D 1/00 and G10D 13/00.

Groups G10D 1/00, G10D 13/00, and G10D 1/14 should be considered in order to perform a complete search.

**U G10D 3/00** **Details of, or accessories for, stringed musical instruments, e.g. slide-bars**

- M G10D 3/06
- Necks; Fingerboards, e.g. fret boards

WARNING

Group G10D 3/06 is impacted by reclassification into group G10D 3/095.

Groups G10D 3/06 and G10D 3/095 should be considered in order to perform a complete search.

- M G10D 3/095
- Details of removable or collapsible necks, e.g. suitable for transport or storage

WARNING

Group G10D 3/095 is incomplete pending reclassification of documents from group G10D 3/06.

Groups G10D 3/06 and G10D 3/095 should be considered in order to perform a complete search.

- M G10D 3/12
- Anchoring devices for strings, e.g. tail pieces or hitchpins

WARNING

Group G10D 3/12 is impacted by reclassification into group G10D 3/13.

Groups G10D 3/12 and G10D 3/13 should be considered in order to perform a complete search.

- M G10D 3/13
- Tail pieces

WARNING

Group G10D 3/13 is incomplete pending reclassification of documents from group G10D 3/12.

Groups G10D 3/12 and G10D 3/13 should be considered in order to perform a complete search.

**U G10D 7/00** **General design of wind musical instruments (accordions or concertinas G10D 11/00; whistles G10K 5/00)**

- M G10D 7/12
- Free-reed wind instruments

WARNING

Group G10D 7/12 is impacted by reclassification into group G10D 7/16.

Groups G10D 7/12 and G10D 7/16 should be considered in order to perform a complete search.

- U G10D 7/14
- Mouth-organs

- M G10D 7/16
- • • with keyboards
- WARNING  
Group G10D 7/16 is incomplete pending reclassification of documents from group G10D 7/12.  
Groups G10D 7/12 and G10D 7/16 should be considered in order to perform a complete search.
- M G10D 9/00
- Details of, or accessories for, wind musical instruments (accordions or concertinas [G10D 11/00](#))**
- WARNING  
Group G10D 9/00 is impacted by reclassification into groups G10D 9/10, G10D 9/11, and G10D 11/00.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M G10D 9/02
- Mouthpieces; Reeds; Ligatures
- WARNING  
Group G10D 9/02 is impacted by reclassification into group G10D 9/025.  
Groups G10D 9/02 and G10D 9/025 should be considered in order to perform a complete search.
- M G10D 9/025
- • Movable mouthpieces
- WARNING  
Group G10D 9/025 is incomplete pending reclassification of documents from group G10D 9/02.  
Groups G10D 9/02 and G10D 9/025 should be considered in order to perform a complete search.
- M G10D 9/10
- Resonating bodies, e.g. tubes
- WARNING  
Group G10D 9/10 is incomplete pending reclassification of documents from group G10D 9/00.  
Groups G10D 9/00 and G10D 9/10 should be considered in order to perform a complete search.
- M G10D 9/11
- • Bells
- WARNING  
Group G10D 9/11 is incomplete pending reclassification of documents from group G10D 9/00.  
Groups G10D 9/00 and G10D 9/11 should be considered in order to perform a complete search.
- M G10D 11/00
- Accordions, concertinas or the like; Keyboards therefor**
- WARNING  
Group G10D 11/00 is incomplete pending reclassification of documents from group G10D 9/00.  
Groups G10D 9/00 and G10D 11/00 should be considered in order to perform a complete search.
- M G10D 13/00
- Percussion musical instruments; Details or accessories therefor (struck string instruments [G10D 1/14](#))**
- WARNING  
Group G10D 13/00 is impacted by reclassification into groups G10D 13/01, G10D 13/24, and G10D 1/14.

All groups listed in this Warning should be considered in order to perform a complete search.

M G10D 13/01

- General design of percussion musical instruments

WARNING

Group G10D 13/01 is incomplete pending reclassification of documents from group G10D 13/00.  
Groups G10D 13/00 and G10D 13/01 should be considered in order to perform a complete search.

M G10D 13/06

- • Castanets, cymbals, triangles, tambourines without drumheads or other single-toned percussion musical instruments

WARNING

Group G10D 13/06 is impacted by reclassification into group G10D 13/063.  
Groups G10D 13/06 and G10D 13/063 should be considered in order to perform a complete search.

M G10D 13/063

- • • Cymbals

WARNING

Group G10D 13/063 is incomplete pending reclassification of documents from group G10D 13/06.  
Groups G10D 13/06 and G10D 13/063 should be considered in order to perform a complete search.

M G10D 13/10

- Details of, or accessories for, percussion musical instruments

WARNING

Group G10D 13/10 is also impacted by reclassification into group G10D 13/25.  
Groups G10D 13/10 and G10D 13/25 should be considered in order to perform a complete search.

M G10D 13/24

- • Material for manufacturing percussion musical instruments; Treatment of the material

WARNING

Group G10D 13/24 is incomplete pending reclassification of documents from group G10D 13/00.  
Groups G10D 13/00 and G10D 13/24 should be considered in order to perform a complete search.

M G10D 13/25

- • {for changing the sound or tone (mutes or dampers [G10D 13/12](#))}

WARNING

Group G10D 13/25 is incomplete pending reclassification of documents from group G10D 13/10.  
Groups G10D 13/10 and G10D 13/25 should be considered in order to perform a complete search.

M G10D 17/00

**Aeolian harps; Singing-flame musical instruments**

WARNING

Group G10D 17/00 is impacted by reclassification into group G10D 99/00.  
Groups G10D 17/00 and G10D 99/00 should be considered in order to perform a complete search.

**M G10D 99/00 Musical instruments not otherwise provided for****WARNING**

Group G10D 99/00 is incomplete pending reclassification of documents from group G10D 17/00.

Groups G10D 17/00 and G10D 99/00 should be considered in order to perform a complete search.

**Project: RP0269-F (G11B)****U G11B 5/00 Recording by magnetisation or demagnetisation of a record carrier; Reproducing by magnetic means; Record carriers therefor ([G11B 11/00](#) {and [G11B 13/00](#)} take precedence)****NOTE**

Subgroups [G11B 5/02](#) - [G11B 5/86](#) take precedence over subgroups [G11B 5/004](#) - [G11B 5/016](#)

- U G11B 5/62 · Record carriers characterised by the selection of the material

**NOTE**

This group does not cover compositions, materials or processes, per se, which are covered by the relevant subclasses of section [B](#) or [C](#).

- U G11B 5/68 · · comprising one or more layers of magnetisable material homogeneously mixed with a bonding agent

- M G11B 5/70 · · · on a base layer

**WARNING**

Group G11B 5/70 is incomplete pending reclassification of documents from group G11B 5/7006.

Groups G11B 5/70 and G11B 5/7006 should be considered in order to perform a complete search.

- D G11B 5/7006  
—(Frozen) · · · {comprising a magnetic layer on both sides covered with non-magnetic material}

**WARNING**

Group G11B 5/7006 is no longer used for the classification of documents as of August 1, 2020.

The content of this group is being reclassified into groups G11B 5/70, G11B 5/718 and G11B 5/728.

All groups listed in this Warning should be considered in order to perform a complete search.

- U G11B 5/716 · · · characterised by two or more magnetic layers

- M G11B 5/718 · · · · at least one on each side of the base layer

**WARNING**

Group G11B 5/718 is incomplete pending reclassification of documents from group G11B 5/7006.

Groups G11B 5/7006 and G11B 5/718 should be considered in order to perform a complete search.

- M G11B 5/72 · · Protective coatings, e.g. anti-static {or antifriction}

**WARNING**

Group G11B 5/72 is impacted by reclassification into groups G11B 5/7253 - G11B 5/728.

All groups listed in this Warning should be considered in order to perform a complete search.

- M G11B 5/722
  - • {containing an anticorrosive material}
  - WARNING**  
Group G11B-5/722 is impacted by reclassification into groups G11B-5/7253 -G11B-5/728.  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- M G11B 5/725
  - • • containing a lubricant {, e.g. organic compounds (inorganic carbon protective coating [G11B 5/727](#))}
  - WARNING**  
Group G11B-5/725 is impacted by reclassification into groups G11B-5/7253 -G11B-5/728.  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- M G11B 5/7253
  - • • {Fluorocarbon lubricant}
  - WARNING**  
Groups G11B-5/7253 - G11B-5/7257 are incomplete pending reclassification of documents from groups G11B-5/72 -G11B-5/725.  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- M G11B 5/726
  - • • {Two or more protective coatings (inorganic carbon protective coating [G11B 5/727](#))}
  - WARNING**  
Groups G11B-5/726 - G11B-5/7268 are incomplete pending reclassification of documents from groups G11B-5/72 - G11B-5/725.  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- M G11B 5/727
  - • • {Inorganic carbon protective coating, e.g. graphite, diamond like carbon or doped carbon}
  - WARNING**  
Group G11B-5/727 is incomplete pending reclassification of documents from groups G11B-5/72 - G11B-5/725.  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- M G11B 5/728
  - • • {containing a bonding agent in the protective coating}
  - WARNING**  
Group G11B-5/728 is incomplete pending reclassification of documents from groups G11B-5/7006 and G11B-5/72 - G11B-5/725.  
All groups listed in this Warning should be considered in order to perform a complete search.

**Project: RP0673-F (H02K)**

- U H02K 5/00 **Casings; Enclosures; Supports**
- U H02K 5/04
  - Casings or enclosures characterised by the shape, form or construction thereof

- M H02K 5/20
- with channels or ducts for flow of cooling medium
- WARNING**  
Group H02K 5/20 is impacted by reclassification into groups H02K 5/203 and H02K 5/207.  
Groups H02K 5/20, H02K 5/203, and H02K 5/207 should be considered in order to perform a complete search.
- M H02K 5/203
- • {specially adapted for liquids, e.g. cooling jackets}
- WARNING**  
Group H02K 5/203 is incomplete pending reclassification of documents from group H02K 5/20.  
Groups H02K 5/20 and H02K 5/203 should be considered in order to perform a complete search.
- M H02K 5/207
- • {with openings in the casing specially adapted for ambient air}
- WARNING**  
Group H02K 5/207 is incomplete pending reclassification of documents from group H02K 5/20.  
Groups H02K 5/20 and H02K 5/207 should be considered in order to perform a complete search.
- U H02K 9/00**
- Arrangements for cooling or ventilating (channels or ducts in parts of the magnetic circuit [H02K 1/20](#), [H02K 1/32](#); channels or ducts in or between conductors [H02K 3/22](#), [H02K 3/24](#))**
- U H02K 9/19
- for machines with closed casing and closed-circuit cooling using a liquid cooling medium, e.g. oil
- WARNING**  
Group [H02K 9/19](#) is impacted by reclassification into group [H02K 9/197](#).  
Groups [H02K 9/19](#) and [H02K 9/197](#) should be considered in order to perform a complete search.
- M H02K 9/20
- • wherein the cooling medium vaporises within the machine casing
- WARNING**  
Group H02K 9/20 is impacted by reclassification into group H02K 9/225.  
Groups H02K 9/20 and H02K 9/225 should be considered in order to perform a complete search.
- M H02K 9/22
- by solid heat conducting material embedded in, or arranged in contact with, the stator or rotor, e.g. heat bridges
- WARNING**  
Group H02K 9/22 is impacted by reclassification into groups H02K 9/223, H02K 9/225, and H02K 9/227.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M H02K 9/223
- • {Heat bridges}
- WARNING**  
Group H02K 9/223 is incomplete pending reclassification of documents from group H02K 9/22.  
Groups H02K 9/22 and H02K 9/223 should be considered in order to perform a complete search.

- M H02K 9/225
- • {Heat pipes}
- WARNING**  
Group H02K 9/225 is incomplete pending reclassification of documents from groups H02K 9/20 and H02K 9/22.  
Groups H02K 9/20, H02K 9/22, and H02K 9/225 should be considered in order to perform a complete search.
- M H02K 9/227
- • {Heat sinks}
- WARNING**  
Group H02K 9/227 is incomplete pending reclassification of documents from group H02K 9/22.  
Groups H02K 9/22 and H02K 9/227 should be considered in order to perform a complete search.

**Project: RP11793 (H02K)**

- U H02K 17/00 **Asynchronous induction motors; Asynchronous induction generators**
- U H02K 17/02
- Asynchronous induction motors
- T H02K 17/16
- • having rotors with internally short-circuited windings, e.g. cage rotors
- WARNING**  
Groups H02K 17/16, H02K 17/166, H02K 17/168, H02K 17/18 and H02K 17/20 are incomplete pending reclassification of documents from group(s) H02K 17/165.  
All groups listed in this Warning should be considered in order to perform a complete search.
- F H02K 17/165  
(Frozen)
- • • {characterised by the squirrel-cage or other short-circuited windings}
- WARNING**  
Group H02K 17/165 is no longer used for the classification of documents as of May 1, 2023.  
The content of this group is being reclassified into groups H02K 17/16, H02K 17/166, H02K 17/168, H02K 17/18 and H02K 17/20.  
All groups listed in this Warning should be considered in order to perform a complete search.
- N H02K 17/166
- • • {having short-circuited rotor windings}
- N H02K 17/168
- • • {having single-cage rotors}
- T H02K 17/18
- • • having double-cage or multiple-cage rotors
- D H02K 17/185
- • • • {characterised by the double- or multiple-cage windings}
- <administratively transferred to [H02K 17/18](#)>
- T H02K 17/20
- • • having deep-bar rotors
- D H02K 17/205
- • • • {characterised by the deep-bar windings}
- <administratively transferred to [H02K 17/20](#)>

**Project: RP0677-F (H02M)**

- M H02M 1/00 **Details of apparatus for conversion**
- WARNING**  
Group H02M 1/00 is impacted by reclassification into group H02M 1/0043.  
Groups H02M 1/00 and H02M 1/0043 should be considered in order to perform a complete search.

M	H02M 1/0043	<ul style="list-style-type: none"> <li>• {Converters switched with a phase shift, i.e. interleaved (non-isolated DC/DC converters <a href="#">H02M 3/1586</a>)}</li> </ul> <p><b>WARNING</b> Group H02M-1/0043 is incomplete pending reclassification of documents from groups H02M-1/00 and H02M-7/493. Groups H02M-1/00, H02M-7/493 and H02M-1/0043 should be considered in order to perform a complete search.</p>
M	H02M 1/0083	<ul style="list-style-type: none"> <li>• {Converters characterised by their input or output configuration}</li> </ul> <p><b>WARNING</b> Group H02M-1/0083 is impacted by reclassification into groups H02M-1/0085 and H02M-1/0095. Groups H02M-1/0083, H02M-1/0085 and H02M-1/0095 should be considered in order to perform a complete search.</p>
M	H02M 1/0085	<ul style="list-style-type: none"> <li>• • {Partially controlled bridges}</li> </ul> <p><b>WARNING</b> Group H02M-1/0085 is incomplete pending reclassification of documents from groups H02M-1/0083, H02M-1/4225 and H02M-1/4233. All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	H02M 1/0095	<ul style="list-style-type: none"> <li>• {Hybrid converter topologies, e.g. NPC mixed with flying capacitor, thyristor converter mixed with MMC or charge pump mixed with buck}</li> </ul> <p><b>WARNING</b> Group H02M-1/0095 is incomplete pending reclassification of documents from group H02M-1/0083. Groups H02M-1/0083 and H02M-1/0095 should be considered in order to perform a complete search.</p>
U	H02M 1/42	<ul style="list-style-type: none"> <li>• Circuits or arrangements for compensating for or adjusting power factor in converters or inverters</li> </ul>
U	H02M 1/4208	<ul style="list-style-type: none"> <li>• • {Arrangements for improving power factor of AC input}</li> </ul>
M	H02M 1/4225	<ul style="list-style-type: none"> <li>• • • {using a non-isolated boost converter}</li> </ul> <p><b>WARNING</b> Group H02M-1/4225 is impacted by reclassification into group H02M-1/0085. Groups H02M-1/4225 and H02M-1/0085 should be considered in order to perform a complete search.</p>
M	H02M 1/4233	<ul style="list-style-type: none"> <li>• • • {using a bridge converter comprising active switches}</li> </ul> <p><b>WARNING</b> Group H02M-1/4233 is impacted by reclassification into group H02M-1/0085. Groups H02M-1/4233 and H02M-1/0085 should be considered in order to perform a complete search.</p>
<b>M</b>	<b>H02M 3/00</b>	<p><b>Conversion of dc power input into dc power output</b></p> <p><b>WARNING</b> Group H02M-3/00 is impacted by reclassification into group H02M-3/003. Groups H02M-3/00 and H02M-3/003 should be considered in order to perform a complete search.</p>

- M H02M 3/003
  - {Constructional details, e.g. physical layout, assembly, wiring or busbar connections}
  - WARNING  
Group H02M 3/003 is incomplete pending reclassification of documents from group H02M 3/00.  
Groups H02M 3/00 and H02M 3/003 should be considered in order to perform a complete search.
  
- M H02M 3/01
  - {Resonant DC/DC converters}
  - WARNING  
Groups H02M 3/01 and H02M 3/015 are incomplete pending reclassification of documents from groups H02M 3/33569 and H02M 3/337.  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- U H02M 3/22
  - with intermediate conversion into ac
- U H02M 3/24
  - • by static converters
- U H02M 3/28
  - • • using discharge tubes with control electrode or semiconductor devices with control electrode to produce the intermediate ac
- U H02M 3/325
  - • • • using devices of a triode or a transistor type requiring continuous application of a control signal
- U H02M 3/335
  - • • • • using semiconductor devices only
- M H02M 3/33569
  - • • • • {having several active switching elements ([H02M 3/3353](#) takes precedence)}
  - WARNING  
Group H02M 3/33569 is impacted by reclassification into groups H02M 3/33571, H02M 3/33573, H02M 3/01 and H02M 3/015.  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- M H02M 3/33571
  - • • • • • {Half-bridge at primary side of an isolation transformer}
  - WARNING  
Group H02M 3/33571 is incomplete pending reclassification of documents from groups H02M 3/33569 and H02M 3/337.  
Groups H02M 3/33569, H02M 3/337 and H02M 3/33571 should be considered in order to perform a complete search.
  
- M H02M 3/33573
  - • • • • • {Full-bridge at primary side of an isolation transformer}
  - WARNING  
Group H02M 3/33573 is incomplete pending reclassification of documents from groups H02M 3/33569 and H02M 3/337.  
Groups H02M 3/33569, H02M 3/337 and H02M 3/33573 should be considered in order to perform a complete search.
  
- M H02M 3/337
  - • • • • • in push-pull configuration ({[H02M 3/33576](#) takes precedence; with self-oscillating arrangements [H02M 3/3382](#), [H02M 3/3385](#)})
  - WARNING  
Group H02M 3/337 is impacted by reclassification into groups H02M 3/33571, H02M 3/33573, H02M 3/01 and H02M 3/015.  
All groups listed in this Warning should be considered in order to perform a complete search.
  
- U H02M 7/00
  - Conversion of ac power input into dc power output; Conversion of dc power input into ac power output

- U H02M 7/02      • Conversion of ac power input into dc power output without possibility of reversal
- M H02M 7/04      • • by static converters
- WARNING  
Group H02M 7/04 is impacted by reclassification into group H02M 7/05.  
Groups H02M 7/04 and H02M 7/05 should be considered in order to perform a complete search.
- M H02M 7/05      • • • {Capacitor coupled rectifiers}
- WARNING  
Group H02M 7/05 is incomplete pending reclassification of documents from group H02M 7/04.  
Groups H02M 7/04 and H02M 7/05 should be considered in order to perform a complete search.
- U H02M 7/42      • Conversion of dc power input into ac power output without possibility of reversal
- U H02M 7/44      • • by static converters
- U H02M 7/48      • • • using discharge tubes with control electrode or semiconductor devices with control electrode
- M H02M 7/483     • • • • Converters with outputs that each can have more than two voltages levels
- WARNING  
Group H02M 7/483 is impacted by reclassification into group H02M 7/4833.  
Groups H02M 7/483 and H02M 7/4833 should be considered in order to perform a complete search.
- M H02M 7/4833    • • • • • {Capacitor voltage balancing}
- WARNING  
Group H02M 7/4833 is incomplete pending reclassification of documents from group H02M 7/483.  
Groups H02M 7/483 and H02M 7/4833 should be considered in order to perform a complete search.
- M H02M 7/4835    • • • • • {comprising two or more cells, each including a switchable capacitor, the capacitors having a nominal charge voltage which corresponds to a given fraction of the input voltage, and the capacitors being selectively connected in series to determine the instantaneous output voltage}
- WARNING  
Group H02M 7/4835 is impacted by reclassification into group H02M 7/4837.  
Groups H02M 7/4835 and H02M 7/4837 should be considered in order to perform a complete search.
- M H02M 7/4837    • • • • • {Flying capacitor converters}
- WARNING  
Group H02M 7/4837 is incomplete pending reclassification of documents from group H02M 7/4835.  
Groups H02M 7/4835 and H02M 7/4837 should be considered in order to perform a complete search.
- M H02M 7/493     • • • • the static converters being arranged for operation in parallel
- WARNING  
Group H02M 7/493 is impacted by reclassification into group H02M 1/0043.

Groups H02M 7/493 and H02M 1/0043 should be considered in order to perform a complete search.

**Project: RP11666 (H04B)**

- U H04B 7/00 Radio transmission systems, i.e. using radiation field ([H04B 10/00](#), [H04B 15/00](#) take precedence)
- U H04B 7/02
  - Diversity systems; Multi-antenna system, i.e. transmission or reception using multiple antennas (RAKE receivers [H04B 1/7115](#))
- C H04B 7/04
  - using two or more spaced independent antennas
  - WARNING**  
Group [H04B 7/04](#) is impacted by reclassification into groups [H04B 7/04013](#) and [H04B 7/04026](#).  
Groups [H04B 7/04](#), [H04B 7/04013](#) and [H04B 7/04026](#) should be considered in order to perform a complete search.
- N H04B 7/04013
  - • • {Intelligent reflective surfaces}
  - WARNING**  
Groups [H04B 7/04013](#) and [H04B 7/04026](#) are incomplete pending reclassification of documents from group [H04B 7/04](#).  
Groups [H04B 7/04](#), [H04B 7/04013](#) and [H04B 7/04026](#) should be considered in order to perform a complete search.
- N H04B 7/04026
  - • • • {with codebook-based beamforming}
- U H04B 7/0413
  - • • MIMO systems
- U H04B 7/0456
  - • • • Selection of precoding matrices or codebooks, e.g. using matrices antenna weighting
- C H04B 7/0478
  - • • • • {Special codebook structures directed to feedback **optimization**[optimisation](#)}
  - WARNING**  
Group [H04B 7/0478](#) is impacted by reclassification into groups [H04B 7/0479](#), [H04B 7/048](#) and [H04B 7/0481](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N H04B 7/0479
  - • • • • • {for multi-dimensional arrays, e.g. horizontal or vertical pre-distortion matrix index [PMI]}
  - WARNING**  
Group [H04B 7/0479](#) is incomplete pending reclassification of documents from group [H04B 7/0478](#).  
Groups [H04B 7/0478](#) and [H04B 7/0479](#) should be considered in order to perform a complete search.
- N H04B 7/048
  - • • • • • {using three or more PMIs}
  - WARNING**  
Group [H04B 7/048](#) is incomplete pending reclassification of documents from group [H04B 7/0478](#).  
Groups [H04B 7/0478](#) and [H04B 7/048](#) should be considered in order to perform a complete search.
- N H04B 7/0481
  - • • • • • {using subset selection of codebooks}
  - WARNING**  
Group [H04B 7/0481](#) is incomplete pending reclassification of documents from group [H04B 7/0478](#).

Groups [H04B 7/0478](#) and [H04B 7/0481](#) should be considered in order to perform a complete search.

C H04B 7/0486 . . . . . {taking channel rank into account}

**WARNING**

Group [H04B 7/0486](#) is impacted by reclassification into group [H04B 7/0487](#).

Groups [H04B 7/0486](#) and [H04B 7/0487](#) should be considered in order to perform a complete search.

N H04B 7/0487 . . . . . {Codebooks having a nested structure}

**WARNING**

Group [H04B 7/0487](#) is incomplete pending reclassification of documents from group [H04B 7/0486](#).

Groups [H04B 7/0486](#) and [H04B 7/0487](#) should be considered in order to perform a complete search.

U H04B 7/06 . . . at the transmitting station

U H04B 7/0686 . . . . {Hybrid systems, i.e. switching and simultaneous transmission}

C H04B 7/0695 . . . . . {using beam selection}

**WARNING**

Group [H04B 7/0695](#) is impacted by reclassification into groups [H04B 7/06952](#), [H04B 7/06954](#), [H04B 7/06956](#), [H04B 7/06958](#), [H04B 7/0696](#), [H04B 7/06962](#), [H04B 7/06964](#), [H04B 7/06966](#) and [H04B 7/06968](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N H04B 7/06952 . . . . . {Selecting one or more beams from a plurality of beams, e.g. beam training, management or sweeping}

**WARNING**

Groups [H04B 7/06952](#), [H04B 7/06954](#), [H04B 7/06956](#), [H04B 7/06958](#), [H04B 7/0696](#), [H04B 7/06962](#), [H04B 7/06964](#), [H04B 7/06966](#) and [H04B 7/06968](#) are incomplete pending reclassification of documents from group [H04B 7/0695](#).

All groups listed in this Warning should be considered in order to perform a complete search.

N H04B 7/06954 . . . . . {Sidelink beam training with support from third instance, e.g. the third instance being a base station}

N H04B 7/06956 . . . . . {using a selection of antenna panels}

N H04B 7/06958 . . . . . {Multistage beam selection, e.g. beam refinement}

N H04B 7/0696 . . . . . {Determining beam pairs}

N H04B 7/06962 . . . . . {Simultaneous selection of transmit [Tx] and receive [Rx] beams at both sides of a link}

N H04B 7/06964 . . . . . {Re-selection of one or more beams after beam failure}

N H04B 7/06966 . . . . . {using beam correspondence; using channel reciprocity, e.g. downlink beam training based on uplink sounding reference signal [SRS]}

N H04B 7/06968 . . . . . {using quasi-collocation [QCL] between signals}

**Project: RP11520 (H04B)**

- U H04B 17/00 **Monitoring; Testing (of line transmission systems [H04B 3/46](#); arrangements for monitoring or testing transmission systems employing electromagnetic waves other than radio waves [H04B 10/07](#))**
- U H04B 17/10 • of transmitters
- M H04B 17/101 • • {for measurement of ~~parameters~~*specific parameters of the transmitter or components thereof*}
- M H04B 17/102 • • • {~~of radiated power at antenna port~~*Power radiated at antenna*}
- M H04B 17/103 • • • {~~of reflected~~*Reflected* power, e.g. return loss}
- C H04B 17/15 • • Performance testing
- WARNING**  
Group [H04B 17/15](#) is impacted by reclassification into group [H04B 17/191](#). Groups [H04B 17/15](#) and [H04B 17/191](#) should be considered in order to perform a complete search.
- U H04B 17/19 • • • Self-testing arrangements
- N [H04B 17/191](#) • • • {*Over-the-air testing*}
- WARNING**  
Group [H04B 17/191](#) is incomplete pending reclassification of documents from group [H04B 17/15](#). Groups [H04B 17/15](#) and [H04B 17/191](#) should be considered in order to perform a complete search.
- C H04B 17/20 • of receivers
- WARNING**  
Group [H04B 17/20](#) is impacted by reclassification into groups [H04B 17/201](#), [H04B 17/202](#), [H04B 17/203](#), [H04B 17/204](#), [H04B 17/22](#), [H04B 17/221](#), [H04B 17/25](#), [H04B 17/252](#), [H04B 17/253](#), [H04B 17/254](#) and [H04B 17/255](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N [H04B 17/201](#) • • {for measurement of *specific parameters of the receiver or components thereof*}
- WARNING**  
Groups [H04B 17/201](#), [H04B 17/202](#), [H04B 17/203](#) and [H04B 17/204](#) are incomplete pending reclassification of documents from group [H04B 17/20](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N [H04B 17/202](#) • • • {*Power received at the antenna*}
- N [H04B 17/203](#) • • • {*Receiver sensitivity*}
- N [H04B 17/204](#) • • • {*of interfering signals, e.g. passive intermodulation*}
- C H04B 17/21 • • for calibration; for correcting measurements
- WARNING**  
Group [H04B 17/21](#) is impacted by reclassification into groups [H04B 17/22](#) and [H04B 17/221](#). Groups [H04B 17/21](#), [H04B 17/22](#) and [H04B 17/221](#) should be considered in order to perform a complete search.

- N H04B 17/22
- • • {for calibration of the receiver components}
- WARNING  
Groups [H04B 17/22](#) and [H04B 17/221](#) are incomplete pending reclassification of documents from groups [H04B 17/20](#) and [H04B 17/21](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N H04B 17/221
- • • • {of receiver antennas, e.g. as to amplitude or phase}
- U H04B 17/24
- • with feedback of measurements to the transmitter
- N H04B 17/25
- • {taking multiple measurements}
- WARNING  
Groups [H04B 17/25](#), [H04B 17/252](#), [H04B 17/253](#), [H04B 17/254](#) and [H04B 17/255](#) are incomplete pending reclassification of documents from group [H04B 17/20](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N H04B 17/252
- • • {measuring signals from different transmission points or directions of arrival, e.g. in multi RAT or dual connectivity}
- N H04B 17/253
- • • {measuring at different locations or reception points}
- N H04B 17/254
- • • {measuring at different reception times}
- N H04B 17/255
- • • {measuring at different states of transmission, e.g. active or idle; measuring at different measurement rates; measuring with different measurement schedules}
- C H04B 17/29
- • Performance testing
- WARNING  
Group [H04B 17/29](#) is impacted by reclassification into groups [H04B 17/294](#), [H04B 17/295](#), [H04B 17/296](#) and [H04B 17/297](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N H04B 17/294
- • • {with test equipment located at the receiver}
- WARNING  
Group [H04B 17/294](#) is incomplete pending reclassification of documents from group [H04B 17/29](#). Groups [H04B 17/29](#) and [H04B 17/294](#) should be considered in order to perform a complete search.
- N H04B 17/295
- • • {Detection of non-compliance or faulty performance, e.g. response deviations (monitoring during normal operations [H04B 17/296](#))}
- WARNING  
Group [H04B 17/295](#) is incomplete pending reclassification of documents from group [H04B 17/29](#). Groups [H04B 17/29](#) and [H04B 17/295](#) should be considered in order to perform a complete search.
- N H04B 17/296
- • • {Monitoring performance during normal operation}
- WARNING  
Group [H04B 17/296](#) is incomplete pending reclassification of documents from group [H04B 17/29](#). Groups [H04B 17/29](#) and [H04B 17/296](#) should be considered in order to perform a complete search.

- N H04B 17/297 . . . {Self-testing arrangements}
- WARNING  
Group [H04B 17/297](#) is incomplete pending reclassification of documents from group [H04B 17/29](#).  
Groups [H04B 17/29](#) and [H04B 17/297](#) should be considered in order to perform a complete search.
- U H04B 17/30 . of propagation channels
- C H04B 17/309 . . Measuring or estimating channel quality parameters
- WARNING  
Group [H04B 17/309](#) is impacted by reclassification into groups [H04B 17/346](#) and [H04B 17/347](#).  
Groups [H04B 17/309](#), [H04B 17/346](#) and [H04B 17/347](#) should be considered in order to perform a complete search.
- C H04B 17/318 . . . Received signal strength
- WARNING  
Group [H04B 17/318](#) is impacted by reclassification into group [H04B 17/328](#).  
Groups [H04B 17/318](#) and [H04B 17/328](#) should be considered in order to perform a complete search.
- U H04B 17/327 . . . Received signal code power [RSCP]
- N H04B 17/328 . . . {Reference signal received power [RSRP]; Reference signal received quality [RSRQ]}
- WARNING  
Group [H04B 17/328](#) is incomplete pending reclassification of documents from group [H04B 17/318](#).  
Groups [H04B 17/318](#) and [H04B 17/328](#) should be considered in order to perform a complete search.
- M H04B 17/345 . . . Interference values (~~H04B 17/336 takes precedence~~ {signal-to-interference ratio [SIR] or carrier-to-interference ratio [CIR]}; [H04B 17/336](#))
- N H04B 17/346 . . . {Noise values (signal-to-interference ratio [SIR] or carrier-to-interference ratio [CIR] [H04B 17/336](#))}
- WARNING  
Group [H04B 17/346](#) is incomplete pending reclassification of documents from group [H04B 17/309](#).  
Groups [H04B 17/309](#) and [H04B 17/346](#) should be considered in order to perform a complete search.
- N H04B 17/347 . . . {Path loss}
- WARNING  
Group [H04B 17/347](#) is incomplete pending reclassification of documents from group [H04B 17/309](#).  
Groups [H04B 17/309](#) and [H04B 17/347](#) should be considered in order to perform a complete search.
- M H04B 17/373 . . Predicting channel quality {or other radio frequency [RF]} parameters
- U H04B 17/391 . . Modelling the propagation channel
- M H04B 17/3912 . . . {Simulation models, e.g. distribution of spectral power density or received signal strength indicator [RSSI] for a given geographic region}
- M H04B 17/3913 . . . {Predictive models, e.g. based on neural network models}

**Project: RP0350-F (H04L)**

- U H04L 5/00 Arrangements affording multiple use of the transmission path**
- U H04L 5/003 · {Arrangements for allocating sub-channels of the transmission path}
- M H04L 5/0044 · · {allocation of payload}

**WARNING**

Groups H04L 5/0044 and H04L 5/0046 are incomplete pending reclassification of documents from group H04L 27/2608. Group H04L 27/2608, H04L 5/0044 and H04L 5/0046 should be considered in order to perform a complete search.

- M H04L 5/0048 · · {Allocation of pilot signals, i.e. of signals known to the receiver}

**WARNING**

Groups H04L 5/0048 – H04L 5/0051 are incomplete pending reclassification of documents from group H04L 27/2611. All groups listed in this Warning should be considered in order to perform a complete search.

**Project: RP11509 (H04L)**

- U H04L 25/00 Baseband systems**
- U H04L 25/02 · Details {; arrangements for supplying electrical power along data transmission lines (systems for transmitting signals via power distribution lines [H04B 3/54](#))}
- U H04L 25/0202 · · {Channel estimation}
- U H04L 25/0204 · · · {of multiple channels}
- D H04L 25/0206 · · · · {of each channel individually}
- <administratively transferred to [H04L 25/0204](#)>
- D H04L 25/0208 · · · · {of the composite channel}
- <administratively transferred to [H04L 25/0204](#)>

**Project: RP0350-F (H04L)**

- U H04L 27/00 Modulated-carrier systems**
- U H04L 27/26 · Systems using multi-frequency codes ([H04L 27/32](#) takes precedence)
- U H04L 27/2601 · · {Multicarrier modulation systems}
- M H04L 27/2602 · · · {Signal structure}

**WARNING**

Group H04L 27/2602 is impacted by reclassification into groups H04L 27/26025, H04L 27/2603, and H04L 27/26035. All groups listed in this Warning should be considered in order to perform a complete search.

- M H04L 27/26025 · · · · {Numerology, i.e. varying one or more of symbol duration, subcarrier spacing, Fourier transform size, sampling rate or down-clocking (allocating sub-channels of the transmission path [H04L 5/003](#))}

**WARNING**

Group H04L 27/26025 is incomplete pending reclassification of documents from group H04L 27/2602. Groups H04L 27/2602 and H04L 27/26025 should be considered in order to perform a complete search.

- M H04L 27/2603 . . . . {Signal structure ensuring backward compatibility with legacy system}
- WARNING  
Group H04L 27/2603 is incomplete pending reclassification of documents from group H04L 27/2602.  
Groups H04L 27/2602 and H04L 27/2603 should be considered in order to perform a complete search.
- M H04L 27/26035 . . . . {Maintenance of orthogonality, e.g. for signals exchanged between cells or users, or by using covering codes or sequences (using different training sequence per antenna [H04B 7/0684](#); code allocation [H04J 13/16](#))}
- WARNING  
Group H04L 27/26035 is incomplete pending reclassification of documents from group H04L 27/2602.  
Groups H04L 27/2602 and H04L 27/26035 should be considered in order to perform a complete search.
- D H04L 27/2608  
—(Frozen) . . . . {Allocation of payload}
- WARNING  
Group H04L 27/2608 is no longer used for the classification of documents as of January 1, 2021.  
The content of this group is being reclassified into groups H04L 5/0044 and H04L 5/0046.  
Groups H04L 27/2608, H04L 5/0044 and H04L 5/0046 should be considered in order to perform a complete search.
- M H04L 27/261 . . . . {Details of reference signals}
- WARNING  
Group H04L 27/261 is incomplete pending reclassification of documents from group H04L 27/262.  
Groups H04L 27/262 and H04L 27/261 should be considered in order to perform a complete search.
- D H04L 27/2611  
—(Frozen) . . . . {Distribution thereof}
- WARNING  
Group H04L 27/2611 is no longer used for the classification of documents as of January 1, 2021.  
The content of this group is being reclassified into groups H04L 5/0048, H04L 5/005, and H04L 5/0051.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M H04L 27/2613 . . . . {Structure of the reference signals}
- WARNING  
Group H04L 27/2613 is incomplete pending reclassification of documents from group H04L 27/262.  
Group H04L 27/2613 is also impacted by reclassification into groups H04L 27/26132, H04L 27/26134, and H04L 27/26136.  
All groups listed in this Warning should be considered in order to perform a complete search.
- M H04L 27/26132 . . . . {using repetition}
- WARNING  
Group H04L 27/26132 is incomplete pending reclassification of documents from groups H04L 27/2613 and H04L 27/262.

~~Groups H04L 27/2613, H04L 27/262, and H04L 27/26132 should be considered in order to perform a complete search.~~

M H04L 27/26134 . . . . . {Pilot insertion in the transmitter chain, e.g. pilot overlapping with data, insertion in time or frequency domain}

WARNING

~~Group H04L 27/26134 is incomplete pending reclassification of documents from groups H04L 27/2613 and H04L 27/262. Groups H04L 27/2613, H04L 27/262, and H04L 27/26134 should be considered in order to perform a complete search.~~

M H04L 27/26136 . . . . . {Pilot sequence conveying additional information}

WARNING

~~Group H04L 27/26136 is incomplete pending reclassification of documents from groups H04L 27/2613 and H04L 27/262. Groups H04L 27/2613, H04L 27/262, and H04L 27/26136 should be considered in order to perform a complete search.~~

U H04L 27/2614 . . . {Peak power aspects}

M H04L 27/262 . . . . {Reduction thereof by selection of pilot symbols}

WARNING

~~Group H04L 27/262 is impacted by reclassification into groups H04L 27/261, H04L 27/2613, H04L 27/26132, H04L 27/26134, and H04L 27/26136. All groups listed in this Warning should be considered in order to perform a complete search.~~

M H04L 27/2626 . . . {Arrangements specific to the transmitter only}

WARNING

~~Group H04L 27/2626 is impacted by reclassification into group H04L 27/26265. Groups H04L 27/2626 and H04L 27/26265 should be considered in order to perform a complete search.~~

M H04L 27/26265 . . . . {Arrangements for sidelobes suppression specially adapted to multicarrier systems, e.g. spectral precoding}

WARNING

~~Group H04L 27/26265 is incomplete pending reclassification of documents from group H04L 27/2626. Groups H04L 27/2626 and H04L 27/26265 should be considered in order to perform a complete search.~~

U H04L 27/2627 . . . . {Modulators}

M H04L 27/2628 . . . . . {Inverse Fourier transform modulators, e.g. inverse fast Fourier transform [IFFT] or inverse discrete Fourier transform [IDFT] modulators (H04L 27/2634 takes precedence)}

WARNING

~~Group H04L 27/2628 is impacted by reclassification into groups H04L 27/2634, H04L 27/2636 and H04L 27/26362. All groups listed in this Warning should be considered in order to perform a complete search.~~

M	H04L 27/263	<ul style="list-style-type: none"> <li>• • • • • {modification of IFFT/IDFT modulator for performance improvement}</li> </ul> <p><u>WARNING</u> Group H04L 27/263 is impacted by reclassification into groups H04L 27/2634, H04L 27/2636 and H04L 27/26362. All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	H04L 27/2631	<ul style="list-style-type: none"> <li>• • • • • {with polyphase implementation}</li> </ul> <p><u>WARNING</u> Group H04L 27/2631 is impacted by reclassification into groups H04L 27/2634, H04L 27/2636 and H04L 27/26362. All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	H04L 27/2633	<ul style="list-style-type: none"> <li>• • • • • {using partial FFTs}</li> </ul> <p><u>WARNING</u> Group H04L 27/2633 is impacted by reclassification into groups H04L 27/2634, H04L 27/2636 and H04L 27/26362. All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	H04L 27/2634	<ul style="list-style-type: none"> <li>• • • • • {Inverse fast Fourier transform [IFFT] or inverse discrete Fourier transform [IDFT] modulators in combination with other circuits for modulation}</li> </ul> <p><u>WARNING</u> Group H04L 27/2634 is incomplete pending reclassification of documents from group H04L 27/2628, H04L 27/263, H04L 27/2631 and H04L 27/2633. Group H04L 27/2634 is also impacted by reclassification into group H04L 27/26362. All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	H04L 27/2636	<ul style="list-style-type: none"> <li>• • • • • {with FFT or DFT modulators, e.g. standard single-carrier frequency-division multiple access [SC-FDMA] transmitter or DFT spread orthogonal frequency division multiplexing [DFT-SOFDM]}</li> </ul> <p><u>WARNING</u> Group H04L 27/2636 is incomplete pending reclassification of documents from group H04L 27/2628, H04L 27/263, H04L 27/2631 and H04L 27/2633. All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	H04L 27/26362	<ul style="list-style-type: none"> <li>• • • • • {Subcarrier weighting equivalent to time domain filtering, e.g. weighting per subcarrier multiplication (arrangements for removing intersymbol interference at the transmitter end <a href="#">H04L 25/03343</a>)}</li> </ul> <p><u>WARNING</u> Group H04L 27/26362 is incomplete pending reclassification of documents from groups H04L 27/2628, H04L 27/263, H04L 27/2631 and H04L 27/2633, and H04L 27/2634. All groups listed in this Warning should be considered in order to perform a complete search.</p>

M	H04L 27/264	<ul style="list-style-type: none"> <li>• • • • {Pulse-shaped multi-carrier, i.e. not using rectangular window}</li> </ul> <p><u>WARNING</u> Group H04L 27/264 is impacted by reclassification into groups H04L 27/26412, H04L 27/26414, and H04L 27/26416. All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	H04L 27/26412	<ul style="list-style-type: none"> <li>• • • • • {Filtering over the entire frequency band, e.g. filtered orthogonal frequency-division multiplexing [OFDM]}</li> </ul> <p><u>WARNING</u> Group H04L 27/26412 is incomplete pending reclassification of documents from group H04L 27/264. Groups H04L 27/264 and H04L 27/26412 should be considered in order to perform a complete search.</p>
M	H04L 27/26414	<ul style="list-style-type: none"> <li>• • • • • {Filtering per subband or per resource block, e.g. universal filtered multicarrier [UFMC] or generalized frequency division multiplexing [GFDM]}</li> </ul> <p><u>WARNING</u> Group H04L 27/26414 is incomplete pending reclassification of documents from group H04L 27/264. Groups H04L 27/264 and H04L 27/26414 should be considered in order to perform a complete search.</p>
M	H04L 27/26416	<ul style="list-style-type: none"> <li>• • • • • {Filtering per subcarrier, e.g. filterbank multicarrier [FBMC]}</li> </ul> <p><u>WARNING</u> Group H04L 27/26416 is incomplete pending reclassification of documents from group H04L 27/264. Groups H04L 27/264 and H04L 27/26416 should be considered in order to perform a complete search.</p>
U	H04L 27/2647	<ul style="list-style-type: none"> <li>• • • {Arrangements specific to the receiver only (equalisation <a href="#">H04L 27/01</a>)}</li> </ul>
M	H04L 27/2649	<ul style="list-style-type: none"> <li>• • • • {Demodulators}</li> </ul> <p><u>WARNING</u> Group H04L 27/2649 is impacted by reclassification into groups H04L 27/26524, H04L 27/26526, H04L 27/26532, H04L 27/26534, H04L 27/26536, H04L 27/26538, H04L 27/2654, H04L 27/26542, H04L 27/26544, and H04L 27/26546. All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	H04L 27/265	<ul style="list-style-type: none"> <li>• • • • • {Fourier transform demodulators, e.g. fast Fourier transform [FFT] or discrete Fourier transform [DFT] demodulators (<a href="#">H04L 27/26524</a> takes precedence)}</li> </ul> <p><u>WARNING</u> Group H04L 27/265 is impacted by reclassification into groups H04L 27/2651, H04L 27/26522, H04L 27/26524, and H04L 27/26526. All groups listed in this Warning should be considered in order to perform a complete search.</p>
M	H04L 27/2651	<ul style="list-style-type: none"> <li>• • • • • {Modification of fast Fourier transform [FFT] or discrete Fourier transform [DFT] demodulators for performance improvement}</li> </ul> <p><u>WARNING</u> Group H04L 27/2651 is incomplete pending reclassification of documents from group H04L 27/265.</p>

Groups H04L 27/265 and H04L 27/2651 should be considered in order to perform a complete search:

M H04L 27/26522 . . . . . {using partial FFTs}

WARNING

Group H04L 27/26522 is incomplete pending reclassification of documents from group H04L 27/265.  
Groups H04L 27/265 and H04L 27/26522 should be considered in order to perform a complete search:

M H04L 27/26524 . . . . . {Fast Fourier transform [FFT] or discrete Fourier transform [DFT] demodulators in combination with other circuits for demodulation}

WARNING

Groups H04L 27/26524 and H04L 27/26526 are incomplete pending reclassification of documents from group H04L 27/2649 and H04L 27/265.  
All groups listed in this Warning should be considered in order to perform a complete search:

M H04L 27/26532 . . . . . {Demodulators using other transforms, e.g. discrete cosine transforms, Orthogonal Time Frequency and Space [OTFS] or hermetic transforms}

WARNING

Group H04L 27/26532 is incomplete pending reclassification of documents from group H04L 27/2649.  
Groups H04L 27/2649 and H04L 27/26532 should be considered in order to perform a complete search:

M H04L 27/26534 . . . . . {Pulse-shaped multi-carrier, i.e. not using rectangular window}

WARNING

Groups H04L 27/26534 -- H04L 27/2654 are incomplete pending reclassification of documents from group H04L 27/2649.  
All groups listed in this Warning should be considered in order to perform a complete search:

M H04L 27/26542 . . . . . {Wavelet transform demodulators (wavelet-division [H04L 5/0008](#))}

WARNING

Group H04L 27/26542 is incomplete pending reclassification of documents from group H04L 27/2649.  
Groups H04L 27/2649 and H04L 27/26542 should be considered in order to perform a complete search:

M H04L 27/26544 . . . . . {Demodulators for signals generated by symbol repetition (synchronisation arrangements [H04L 27/2655](#))}

WARNING

Group H04L 27/26544 is incomplete pending reclassification of documents from group H04L 27/2649.  
Groups H04L 27/2649 and H04L 27/26544 should be considered in order to perform a complete search:

M H04L 27/26546 . . . . . {with oversampling}

WARNING

Group H04L 27/26546 is incomplete pending reclassification of documents from group H04L 27/2649.  
Groups H04L 27/2649 and H04L 27/26546 should be considered in order to perform a complete search:

- U H04L 27/2655 . . . . {Synchronisation arrangements}
- U H04L 27/2668 . . . . . {Details of algorithms}
- M H04L 27/2681 . . . . . {characterised by constraints}
- WARNING**  
Group H04L 27/2681 is impacted by reclassification into group H04L 27/26885.  
Groups H04L 27/2681 and H04L 27/26885 should be considered in order to perform a complete search.
- M H04L 27/26885 . . . . . {Adaptation to rapid radio propagation changes, e.g. due to velocity}
- WARNING**  
Group H04L 27/26885 is incomplete pending reclassification of documents from group H04L 27/2681.  
Groups H04L 27/2681 and H04L 27/26885 should be considered in order to perform a complete search.

**Project: RP11978 (H04L)**

- U H04L 41/00 Arrangements for maintenance, administration or management of data switching networks, e.g. of packet switching networks**
- WARNING**  
Group [H04L 41/00](#) is impacted by reclassification into groups [H04L 41/34](#), [H04L 41/342](#), [H04L 41/344](#) and [H04L 41/40](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- U H04L 41/06 . . Management of faults, events, alarms or notifications
- U H04L 41/0654 . . . using network fault recovery (ring fault isolation or reconfiguration in loop networks without recovery actions by a network management system [H04L 12/437](#))
- C H04L 41/0659 . . . by isolating or reconfiguring faulty entities
- WARNING**  
Group [H04L 41/0659](#) is impacted by reclassification into group [H04L 41/0661](#).  
Groups [H04L 41/0659](#) and [H04L 41/0661](#) should be considered in order to perform a complete search.
- N H04L 41/0661 . . . . {by reconfiguring faulty entities}
- WARNING**  
Group [H04L 41/0661](#) is incomplete pending reclassification of documents from group [H04L 41/0659](#).  
Groups [H04L 41/0659](#) and [H04L 41/0661](#) should be considered in order to perform a complete search.
- D H04L 41/0672 . . . {by re-configuring the faulty entity}  
<administratively transferred to [H04L 41/0661](#)>

**Project: MP11667 (H04L)**

- U H04L 63/00 {Network architectures or network communication protocols for network security (cryptographic mechanisms or cryptographic arrangements for secret or secure communication [H04L 9/00](#); network architectures or network communication protocols for wireless network security [H04W 12/00](#); security arrangements for protecting computers or computer systems against unauthorised activity [G06F 21/00](#))}

WARNING

Group [H04L 63/00](#) is incomplete pending reclassification of documents from group [H04L 9/40](#).

Groups [H04L 9/40](#) and [H04L 63/00](#) should be considered in order to perform a complete search.

- M H04L 63/08 • {for ~~supporting~~ authentication of entities ~~communicating through a packet data network~~ (cryptographic mechanisms or cryptographic arrangements for entity authentication [H04L 9/32](#))}
- M H04L 63/10 • {for controlling access to ~~network resources~~ ~~devices or network resources~~}{~~restricting network management access~~ [H04L 41/28](#)}
- M H04L 63/18 • {using different networks or ~~paths for security~~ ~~channels~~, e.g. using out of band channels (cryptographic mechanisms or cryptographic arrangements for key distribution involving distinctive intermediate devices or communication paths [H04L 9/0827](#); cryptographic mechanisms or cryptographic arrangements for authentication using a plurality of channels [H04L 9/3215](#))}

**Project: RP11757 (H04W)**

- M H04W **WIRELESS COMMUNICATION NETWORKS (broadcast communication [H04H](#); communication systems using wireless links for non-selective communication, e.g. wireless extensions [H04M 1/72](#))**

NOTES

1. This subclass covers :

- communication networks for selectively establishing one or a plurality of wireless communication links between a desired number of users or between users and network equipment, for the purpose of transferring information via these wireless communication links;
- networks deploying an infrastructure for mobility management of wireless users connected thereto, e.g. cellular networks, WLAN [Wireless Local Area Network], wireless access networks, e.g. WLL [Wireless Local Loop] or self-organising wireless communication networks, e.g. ad hoc networks;
- planning or deployment specially adapted for the above-mentioned wireless networks;
- services or facilities specially adapted for the above-mentioned wireless networks;
- arrangements or techniques specially adapted for the operation of the above-mentioned wireless networks.

2. This subclass does not cover :

- communication systems using wireless extensions, i.e. wireless links without selective communication, e.g. cordless telephones, which are covered by group [H04M 1/72](#);
- broadcast communication, which is covered by subclass [H04H](#).

WARNING

1. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

**2. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:**

H04W-28/082	covered by	H04W-28/085
H04W-28/084	covered by	H04W-28/08
H04W-28/086	covered by	H04W-28/0804
H04W-28/088	covered by	H04W-28/0842

- M H04W 28/00** **Network traffic ~~or resource~~ management; *Network resource management***
- U H04W 28/02
- C H04W 28/0289
- Traffic management, e.g. flow control or congestion control
  - {Congestion control (~~performing reselection for handling the traffic H04W 36/22~~; load shedding arrangements in network planning [H04W 16/08](#); ~~dynamic wireless traffic scheduling H04W 72/12~~; *performing reselection for handling the traffic [H04W 36/22](#); wireless traffic scheduling [H04W 72/12](#)*)}
- WARNING**  
Group [H04W 28/0289](#) is impacted by reclassification into group [H04W 28/084](#).  
Groups [H04W 28/0289](#) and [H04W 28/084](#) should be considered in order to perform a complete search.
- C H04W 28/08
- • Load balancing or load distribution (*transferring a connection for handling the traffic [H04W 36/22](#); wireless traffic scheduling [H04W 72/12](#)*)
- WARNING**  
Group [H04W 28/08](#) is impacted by ~~re-classification~~*reclassification* into groups [H04W 28/0804](#)–~~[H04W 28/084](#)~~, [H04W 36/22](#), [H04W 28/0846](#) and groups [H04W 28/0858](#)–~~[H04W 28/0992](#)~~[H04W 72/12](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- D H04W 28/0804
- • • {~~between access entities (reselecting a network for handling traffic [H04W 36/22](#); wireless resource allocation where an allocation plan is defined based on load [H04W 72/52](#))~~}
- WARNING**  
Groups [H04W 28/0804](#) – [H04W 28/0823](#) are incomplete pending re-classification of documents from group [H04W 28/08](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- <administratively transferred to [H04W 28/086](#)>
- D H04W 28/0808
- • • • {between base stations}
- <administratively transferred to [H04W 28/0861](#)>
- D H04W 28/0812
- • • • {of same hierarchy level}
- <administratively transferred to [H04W 28/0862](#)>
- D H04W 28/0815
- • • • {of different hierarchy levels, e.g. Master Evolved Node B [MeNB] or Secondary Evolved node B [SeNB]}
- <administratively transferred to [H04W 28/0864](#)>
- D H04W 28/0819
- • • • {of different Radio Access Technologies [RATs], e.g. LTE or WiFi}
- <administratively transferred to [H04W 28/0865](#)>
- N [H04W 28/082](#)
- • • among bearers or channels
- D H04W 28/0823
- • • • {between wireless and wire-based access points, e.g. via LTE and via DSL connected access points}
- <administratively transferred to [H04W 28/0866](#)>

**Project: RP0532-F (H04W)**

M H04W 28/0827 . . . {Triggering entity}

**WARNING**

Groups H04W 28/0827—H04W 28/0838 are incomplete pending re-classification of documents from group H04W 28/08.  
All groups listed in this Warning should be considered in order to perform a complete search.

**Project: RP11757 (H04W)**

U H04W 28/0838 . . . {User device}

N H04W 28/084 . . . among network function virtualisation [NFV] entities; among edge computing entities, e.g. multi-access edge computing

**WARNING**

Group H04W 28/084 is incomplete pending reclassification of documents from groups H04W 28/0289 and H04W 28/08.

Groups H04W 28/0289, H04W 28/08 and H04W 28/084 should be considered in order to perform a complete search.

D H04W 28/0842 . . . {among core entities}

**WARNING**

Group H04W 28/0842 is incomplete pending re-classification of documents from group H04W 28/08.

Groups H04W 28/08 and H04W 28/0842 should be considered in order to perform a complete search.

<administratively transferred to [H04W 28/088](#)>

**Project: RP0532-F (H04W)**

M H04W 28/0846 . . . {between network providers, e.g. operators (selecting a network or a communication service [H04W 40/18](#))}

**WARNING**

Group H04W 28/0846 is incomplete pending re-classification of documents from group H04W 28/08.

Groups H04W 28/08 and H04W 28/0846 should be considered in order to perform a complete search.

**Project: RP11757 (H04W)**

D H04W 28/085 . . . {among bearers or channels}

<administratively transferred to [H04W 28/082](#)>

**Project: RP0532-F, RP11757 (H04W)**

M H04W 28/0858 . . . {among entities in the uplink}

**WARNING**

Group H04W 28/0858 is incomplete pending re-classification of documents from group H04W 28/08.

Groups H04W 28/08 and H04W 28/0858 should be considered in order to perform a complete search.

**Project: RP11757 (H04W)**

N H04W 28/086 . . . among access entities

- N H04W 28/0861 . . . . {between base stations}
- N H04W 28/0862 . . . . {of same hierarchy level}
- N H04W 28/0864 . . . . {of different hierarchy levels, e.g. Master Evolved Node B [MeNB] or Secondary Evolved node B [SeNB]}
- N H04W 28/0865 . . . . {of different Radio Access Technologies [RATs], e.g. LTE or WiFi}
- N H04W 28/0866 . . . . {between wireless and wire-based access points, e.g. via LTE and via DSL connected access points}

**Project: RP0532-F (H04W)**

- M H04W 28/0867 . . . {among entities in the downlink}

**WARNING**

Group H04W-28/0867 is incomplete pending re-classification of documents from group H04W-28/08.  
Groups H04W-28/08 and H04W-28/0867 should be considered in order to perform a complete search.

**Project: RP0532-F, RP11757 (H04W)**

- M H04W 28/0875 . . . {to or through Device to Device [D2D] links, e.g. direct-mode links}

**WARNING**

Group H04W-28/0875 is incomplete pending re-classification of documents from group H04W-28/08.  
Groups H04W-28/08 and H04W-28/0875 should be considered in order to perform a complete search.

**Project: RP11757 (H04W)**

- N H04W 28/088 . . . among core entities

**Project: RP0532-F (H04W)**

- M H04W 28/0883 . . . {between entities in ad-hoc networks}

**WARNING**

Groups H04W-28/0883 and H04W-28/0892 are incomplete pending re-classification of documents from group H04W-28/08.  
Groups H04W-28/08, H04W-28/0883 and H04W-28/0892 should be considered in order to perform a complete search.

- M H04W 28/09 . . . {Management thereof}

**WARNING**

Group H04W-28/09 is incomplete pending re-classification of documents from group H04W-28/08.  
Groups H04W-28/08 and H04W-28/09 should be considered in order to perform a complete search.

- M H04W 28/0908 . . . . {based on time, e.g. for a critical period only}

**WARNING**

Group H04W-28/0908 is incomplete pending re-classification of documents from group H04W-28/08.  
Groups H04W-28/08 and H04W-28/0908 should be considered in order to perform a complete search.

- M H04W 28/0917 . . . {based on the energy state of entities}
- WARNING**  
Group H04W 28/0917 is incomplete pending re-classification of documents from group H04W 28/08. Groups H04W 28/08 and H04W 28/0917 should be considered in order to perform a complete search.
- M H04W 28/0925 . . . {using policies}
- WARNING**  
Groups H04W 28/0925 – H04W 28/095 are incomplete pending re-classification of documents from group H04W 28/08. Groups H04W 28/08 and H04W 28/0925 should be considered in order to perform a complete search.
- M H04W 28/0958 . . . {based on metrics or performance parameters}
- WARNING**  
Groups H04W 28/0958 – H04W 28/0983 are incomplete pending re-classification of documents from group H04W 28/08. All groups listed in this Warning should be considered in order to perform a complete search.
- M H04W 28/0992 . . . {based on the type of application}
- WARNING**  
Group H04W 28/0992 is incomplete pending re-classification of documents from group H04W 28/08. Groups H04W 28/08 and H04W 28/0992 should be considered in order to perform a complete search.

## Project: RP11668 (H04W)

- U H04W 36/00 Hand-off or reselection arrangements**
- NOTE  
In this group, local priority rules supersede the first-place priority rule (FPPR) applying throughout [H04W](#)
- U H04W 36/0005 . {Control or signalling for completing the hand-off}
- C H04W 36/0011 . . {for data ~~session or~~ *sessions of end-to-end* connection}
- WARNING**  
*Group H04W 36/0011 is impacted by reclassification into group H04W 36/0019. Groups H04W 36/0011 and H04W 36/0019 should be considered in order to perform a complete search.*
- M H04W 36/0016 . . . {~~for hand~~ *Hand-off preparation specially adapted for end-to-end data sessions*}
- N H04W 36/0019 . . . {adapted for mobile IP [MIP]}
- WARNING**  
Group [H04W 36/0019](#) is incomplete pending reclassification of documents from group [H04W 36/0011](#). Groups [H04W 36/0011](#) and [H04W 36/0019](#) should be considered in order to perform a complete search.

- C H04W 36/0022 . . . {for transferring **data** sessions between adjacent core network technologies}
- WARNING**  
Group [H04W 36/0022](#) is impacted by reclassification into groups [H04W 36/00222](#), [H04W 36/00224](#) and [H04W 36/00226](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N H04W 36/00222 . . . {between different packet switched [PS] network technologies, e.g. transferring data sessions between LTE and WLAN or LTE and 5G}
- WARNING**  
Group [H04W 36/00222](#) is incomplete pending reclassification of documents from group [H04W 36/0022](#).  
Groups [H04W 36/0022](#) and [H04W 36/00222](#) should be considered in order to perform a complete search.
- N H04W 36/00224 . . . {between packet switched [PS] and circuit switched [CS] network technologies, e.g. circuit switched fallback [CSFB]}
- WARNING**  
Groups [H04W 36/00224](#) and [H04W 36/00226](#) are incomplete pending reclassification of documents from group [H04W 36/0022](#).  
Groups [H04W 36/0022](#), [H04W 36/00224](#) and [H04W 36/00226](#) should be considered in order to perform a complete search.
- N H04W 36/00226 . . . . {wherein the core network technologies comprise IP multimedia system [IMS], e.g. single radio voice call continuity [SRVCC]}
- M H04W 36/0027 . . . {for a plurality of **sessions or data sessions of end-to-end** connections, e.g. multi-call; **or** multi-bearer **end-to-end data** connections}
- C H04W 36/0055 . . {Transmission **and or** use of information for re-establishing the radio link}
- WARNING**  
Group [H04W 36/0055](#) is impacted by reclassification into groups [H04W 36/0064](#) and [H04W 36/13](#).  
Groups [H04W 36/0055](#), [H04W 36/0064](#) and [H04W 36/13](#) should be considered in order to perform a complete search.
- M H04W 36/0061 . . . {of **neighbor neighbour** cell information}
- N H04W 36/0064 . . . {of control information between different access points}
- WARNING**  
Group [H04W 36/0064](#) is incomplete pending reclassification of documents from group [H04W 36/0055](#).  
Groups [H04W 36/0055](#) and [H04W 36/0064](#) should be considered in order to perform a complete search.
- C H04W 36/0069 . . . {in case of dual connectivity, e.g. **CoMP**; decoupled uplink/downlink **or carrier aggregation (allocation of physical resources in CoMP or in carrier aggregation H04L 5/0035)}**}
- WARNING**  
Group [H04W 36/0069](#) is incomplete pending reclassification of documents from groups [H04W 36/18](#) and [H04W 36/28](#).  
Group [H04W 36/0069](#) is also impacted by reclassification into groups [H04W 36/00692](#), [H04W 36/00695](#) and [H04W 36/00698](#).  
All groups listed in this Warning should be considered in order to perform a complete search.

- N H04W 36/00692 . . . {using simultaneous multiple data streams, e.g. cooperative multipoint [CoMP], carrier aggregation [CA] or multiple input multiple output [MIMO] (allocation of physical resources in CoMP or in CA [H04L 5/0035](#))}
- WARNING  
Group [H04W 36/00692](#) is incomplete pending reclassification of documents from groups [H04W 36/0069](#), [H04W 36/18](#) and [H04W 36/28](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N H04W 36/00695 . . . {using split of the control plane or user plane}
- WARNING  
Group [H04W 36/00695](#) is incomplete pending reclassification of documents from groups [H04W 36/0069](#), [H04W 36/18](#) and [H04W 36/28](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N H04W 36/00698 . . . {using different RATs}
- WARNING  
Group [H04W 36/00698](#) is incomplete pending reclassification of documents from groups [H04W 36/0069](#), [H04W 36/18](#) and [H04W 36/28](#). All groups listed in this Warning should be considered in order to perform a complete search.
- C H04W 36/0072 . . . {of resource information of target access point}
- WARNING  
Group [H04W 36/0072](#) is impacted by reclassification into groups [H04W 36/00725](#) and [H04W 36/249](#). Groups [H04W 36/0072](#), [H04W 36/00725](#) and [H04W 36/249](#) should be considered in order to perform a complete search.
- N H04W 36/00725 . . . {Random access channel [RACH]-less handover}
- WARNING  
Group [H04W 36/00725](#) is incomplete pending reclassification of documents from group [H04W 36/0072](#). Groups [H04W 36/0072](#) and [H04W 36/00725](#) should be considered in order to perform a complete search.
- C H04W 36/0083 . . {Determination of parameters used for hand-off, e.g. generation or modification of neighbour cell lists}
- WARNING  
Group [H04W 36/0083](#) is impacted by reclassification into groups [H04W 36/00833](#) and [H04W 36/00838](#). Groups [H04W 36/0083](#), [H04W 36/00833](#) and [H04W 36/00838](#) should be considered in order to perform a complete search.
- N H04W 36/00833 . . . {Handover statistics}
- WARNING  
Group [H04W 36/00833](#) is incomplete pending reclassification of documents from group [H04W 36/0083](#). Groups [H04W 36/0083](#) and [H04W 36/00833](#) should be considered in order to perform a complete search.

- C H04W 36/00835 . . . {Determination of ~~the neighbour cell list~~*neighbour cell lists*}
- WARNING**  
*Group H04W 36/00835 is impacted by reclassification into groups H04W 36/008355, H04W 36/008357 and H04W 36/00838. All groups listed in this Warning should be considered in order to perform a complete search.*
- N H04W 36/008355 . . . . {Determination of target cell based on user equipment [UE] properties, e.g. UE service capabilities}
- WARNING**  
*Group H04W 36/008355 is incomplete pending reclassification of documents from group H04W 36/00835. Groups H04W 36/00835 and H04W 36/008355 should be considered in order to perform a complete search.*
- N H04W 36/008357 . . . . {Determination of target cell based on access point [AP] properties, e.g. AP service capabilities}
- WARNING**  
*Group H04W 36/008357 is incomplete pending reclassification of documents from group H04W 36/00835. Groups H04W 36/00835 and H04W 36/008357 should be considered in order to perform a complete search.*
- C H04W 36/00837 . . . {Determination of triggering parameters for hand-off}
- WARNING**  
*Group H04W 36/00837 is impacted by reclassification into groups H04W 36/008375 and H04W 36/00838. Groups H04W 36/00837, H04W 36/008375 and H04W 36/00838 should be considered in order to perform a complete search.*
- N H04W 36/008375 . . . . {based on historical data}
- WARNING**  
*Group H04W 36/008375 is incomplete pending reclassification of documents from group H04W 36/00837. Groups H04W 36/00837 and H04W 36/008375 should be considered in order to perform a complete search.*
- N H04W 36/00838 . . . {Resource reservation for handover}
- WARNING**  
*Group H04W 36/00838 is incomplete pending reclassification of documents from groups H04W 36/0083, H04W 36/00835 and H04W 36/00837. All groups listed in this Warning should be considered in order to perform a complete search.*
- U H04W 36/02 . . . {Buffering or recovering information during reselection {; Modification of the traffic flow during hand-off}
- C H04W 36/023 . . . {Buffering or recovering information during reselection}
- WARNING**  
*Group H04W 36/023 is impacted by reclassification into group H04W 36/0235. Groups H04W 36/023 and H04W 36/0235 should be considered in order to perform a complete search.*

- N H04W 36/0235
- • {by transmitting sequence numbers, e.g. SN status transfer}
- WARNING  
Group [H04W 36/0235](#) is incomplete pending reclassification of documents from group [H04W 36/023](#).  
Groups [H04W 36/023](#) and [H04W 36/0235](#) should be considered in order to perform a complete search.
- C H04W 36/03
- {Reselecting a link using a direct mode connection}
- WARNING  
Group [H04W 36/03](#) is impacted by reclassification into groups [H04W 36/033](#), [H04W 36/035](#) and [H04W 36/037](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N H04W 36/033
- • {in pre-organised networks}
- WARNING  
Group [H04W 36/033](#) is incomplete pending reclassification of documents from group [H04W 36/03](#).  
Groups [H04W 36/03](#) and [H04W 36/033](#) should be considered in order to perform a complete search.
- N H04W 36/035
- • {in self-organising networks}
- WARNING  
Group [H04W 36/035](#) is incomplete pending reclassification of documents from group [H04W 36/03](#).  
Groups [H04W 36/03](#) and [H04W 36/035](#) should be considered in order to perform a complete search.
- N H04W 36/037
- • {by reducing handover delay, e.g. latency}
- WARNING  
Group [H04W 36/037](#) is incomplete pending reclassification of documents from group [H04W 36/03](#).  
Groups [H04W 36/03](#) and [H04W 36/037](#) should be considered in order to perform a complete search.
- C H04W 36/08
- Reselecting an access point
- WARNING  
Group [H04W 36/08](#) is impacted by reclassification into groups [H04W 36/083](#), [H04W 36/085](#), [H04W 36/087](#) and [H04W 36/13](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N H04W 36/083
- • {wherein at least one of the access points is a moving node}
- WARNING  
Group [H04W 36/083](#) is incomplete pending reclassification of documents from group [H04W 36/08](#).  
Groups [H04W 36/08](#) and [H04W 36/083](#) should be considered in order to perform a complete search.
- N H04W 36/085
- • {involving beams of access points}
- WARNING  
Group [H04W 36/085](#) is incomplete pending reclassification of documents from group [H04W 36/08](#).

Groups [H04W 36/08](#) and [H04W 36/085](#) should be considered in order to perform a complete search.

- N H04W 36/087
- {between radio units of access points}
- WARNING  
Group [H04W 36/087](#) is incomplete pending reclassification of documents from group [H04W 36/08](#).  
Groups [H04W 36/08](#) and [H04W 36/087](#) should be considered in order to perform a complete search.
- U H04W 36/12
- Reselecting a serving backbone network switching or routing node
- C H04W 36/125
- {involving different types of service **backbone**backbones}
- WARNING  
Group [H04W 36/125](#) is impacted by reclassification into group [H04W 36/13](#).  
Groups [H04W 36/125](#) and [H04W 36/13](#) should be considered in order to perform a complete search.
- N H04W 36/13
- {Cell handover without a predetermined boundary, e.g. virtual cells}
- WARNING  
Group [H04W 36/13](#) is incomplete pending reclassification of documents from groups [H04W 36/0055](#), [H04W 36/08](#), [H04W 36/125](#) and [H04W 36/14](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- C H04W 36/14
- Reselecting a network or an air interface
- WARNING  
Group [H04W 36/14](#) is impacted by reclassification into groups [H04W 36/142](#), [H04W 36/144](#), [H04W 36/1443](#), [H04W 36/1446](#) and [H04W 36/13](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N H04W 36/142
- {over the same radio air interface technology}
- WARNING  
Group [H04W 36/142](#) is incomplete pending reclassification of documents from group [H04W 36/14](#).  
Groups [H04W 36/14](#) and [H04W 36/142](#) should be considered in order to perform a complete search.
- N H04W 36/144
- {over a different radio air interface technology}
- WARNING  
Groups [H04W 36/144](#), [H04W 36/1443](#) and [H04W 36/1446](#) are incomplete pending reclassification of documents from group [H04W 36/14](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- N H04W 36/1443
- • • {between licensed networks}
- N H04W 36/1446
- • • {wherein at least one of the networks is unlicensed}
- U H04W 36/16
- Performing reselection for specific purposes
- C H04W 36/165
- {for **improving the overall network performance**reducing network power consumption ([H04W 36/18](#) - [H04W 36/22](#) take precedence)}
- WARNING  
Group [H04W 36/165](#) is impacted by reclassification into group [H04W 36/247](#).

*Groups [H04W 36/165](#) and [H04W 36/247](#) should be considered in order to perform a complete search.*

- C H04W 36/18
  - for allowing seamless reselection, e.g. soft reselection

**WARNING**

*Group [H04W 36/18](#) is impacted by reclassification into groups [H04W 36/185](#), [H04W 36/0069](#), [H04W 36/00692](#), [H04W 36/00695](#) and [H04W 36/00698](#). All groups listed in this Warning should be considered in order to perform a complete search.*

- N H04W 36/185
  - • {using make before break}

**WARNING**

*Group [H04W 36/185](#) is incomplete pending reclassification of documents from group [H04W 36/18](#). Groups [H04W 36/18](#) and [H04W 36/185](#) should be considered in order to perform a complete search.*

**Project: RP11757 (H04W)**

- M H04W 36/22
  - for handling the traffic

**WARNING**

*Group [H04W 36/22](#) is incomplete pending reclassification of documents from group [H04W 28/08](#). Groups [H04W 28/08](#) and [H04W 36/22](#) should be considered in order to perform a complete search.*

**Project: RP11668 (H04W)**

- C H04W 36/24
  - Reselection being triggered by specific parameters ~~{used to improve the performance of a single terminal}~~

**WARNING**

*Group [H04W 36/24](#) is impacted by reclassification into groups [H04W 36/247](#) and [H04W 36/249](#). Groups [H04W 36/24](#), [H04W 36/247](#) and [H04W 36/249](#) should be considered in order to perform a complete search.*

- D H04W 36/245
  - {by historical data}
  - <administratively transferred to [H04W 36/008375](#)>

- N H04W 36/247
  - {by using coverage extension}

**WARNING**

*Group [H04W 36/247](#) is incomplete pending reclassification of documents from groups [H04W 36/165](#) and [H04W 36/24](#). Groups [H04W 36/165](#), [H04W 36/24](#) and [H04W 36/247](#) should be considered in order to perform a complete search.*

- N H04W 36/249
  - {according to timing information}

**WARNING**

*Group [H04W 36/249](#) is incomplete pending reclassification of documents from groups [H04W 36/0072](#) and [H04W 36/24](#). Groups [H04W 36/0072](#), [H04W 36/24](#) and [H04W 36/249](#) should be considered in order to perform a complete search.*

- U H04W 36/26
  - by agreed or negotiated communication parameters

- C H04W 36/28
- • • involving a plurality of connections, e.g. multi-call, **or** multi-bearer connections
- WARNING**  
 Group [H04W 36/28](#) is impacted by reclassification into groups [H04W 36/0069](#), [H04W 36/00692](#), [H04W 36/00695](#) and [H04W 36/00698](#). All groups listed in this Warning should be considered in order to perform a complete search.
- C H04W 36/30
- • by measured or perceived connection quality data
- WARNING**  
 Group [H04W 36/30](#) is impacted by reclassification into groups [H04W 36/302](#) and [H04W 36/304](#). Groups [H04W 36/30](#), [H04W 36/302](#) and [H04W 36/304](#) should be considered in order to perform a complete search.
- N H04W 36/302
- • • {due to low signal strength}
- WARNING**  
 Group [H04W 36/302](#) is incomplete pending reclassification of documents from group [H04W 36/30](#). Groups [H04W 36/30](#) and [H04W 36/302](#) should be considered in order to perform a complete search.
- N H04W 36/304
- • • {due to measured or perceived resources with higher communication quality}
- WARNING**  
 Group [H04W 36/304](#) is incomplete pending reclassification of documents from group [H04W 36/30](#). Groups [H04W 36/30](#) and [H04W 36/304](#) should be considered in order to perform a complete search.
- M H04W 36/305
- • • {**ReselectionHandover** due to radio link failure (control signalling for hand-off failure [H04W 36/0079](#))}
- C H04W 36/32
- • by location or mobility data, e.g. speed data
- WARNING**  
 Group [H04W 36/32](#) is impacted by reclassification into groups [H04W 36/322](#), [H04W 36/324](#), [H04W 36/326](#) and [H04W 36/328](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N H04W 36/322
- • • {by location data}
- WARNING**  
 Group [H04W 36/322](#) is incomplete pending reclassification of documents from group [H04W 36/32](#). Groups [H04W 36/32](#) and [H04W 36/322](#) should be considered in order to perform a complete search.
- N H04W 36/324
- • • {by mobility data, e.g. speed data}
- WARNING**  
 Group [H04W 36/324](#) is incomplete pending reclassification of documents from group [H04W 36/32](#). Groups [H04W 36/32](#) and [H04W 36/324](#) should be considered in order to perform a complete search.

- N H04W 36/326
- • • {by proximity to another entity}
- WARNING  
Group [H04W 36/326](#) is incomplete pending reclassification of documents from group [H04W 36/32](#).  
Groups [H04W 36/32](#) and [H04W 36/326](#) should be considered in order to perform a complete search.
- N H04W 36/328
- • • {by altitude}
- WARNING  
Group [H04W 36/328](#) is incomplete pending reclassification of documents from group [H04W 36/32](#).  
Groups [H04W 36/32](#) and [H04W 36/328](#) should be considered in order to perform a complete search.
- U H04W 36/34
- Reselection control
- C H04W 36/36
- • by user or terminal equipment
- WARNING  
Group [H04W 36/36](#) is impacted by reclassification into group [H04W 36/362](#).  
Groups [H04W 36/36](#) and [H04W 36/362](#) should be considered in order to perform a complete search.
- N H04W 36/362
- • • {Conditional handover}
- WARNING  
Group [H04W 36/362](#) is incomplete pending reclassification of documents from group [H04W 36/36](#).  
Groups [H04W 36/36](#) and [H04W 36/362](#) should be considered in order to perform a complete search.

**Project: RP11757 (H04W)**

- U H04W 72/00
- Local resource management**
- M H04W 72/12
- Wireless traffic scheduling
- WARNING  
Group [H04W 72/12](#) is impacted by reclassification into groups [H04W 72/40](#), [H04W 72/50](#), [H04W 72/51](#) and [H04W 72/512](#).  
All groups listed in this Warning should be considered in order to perform a complete search.
- WARNING  
Group [H04W 72/12](#) is incomplete pending reclassification of documents from group [H04W 28/08](#).  
Group [H04W 72/12](#) is also impacted by reclassification into groups [H04W 72/40](#), [H04W 72/50](#), [H04W 72/51](#), and [H04W 72/512](#).  
All groups listed in this Warning should be considered in order to perform a complete search.

**Project: RP11818 (Y10S)**

- U Y10S 242/00
- Winding, tensioning, or guiding**
- U Y10S 242/92
- Glass strand winding
- D Y10S 244/00 -  
Y10S 244/00
- Aeronautics and astronautics**
- D Y10S 244/00
- Aeronautics and astronautics**
- D Y10S 244/90
- Lightweight, winged, air vehicle, e.g. ultralight or hang glider

- D Y10S 244/901 . . having delta-shaped wing
- D Y10S 244/902 . . having parachute type wing
- D Y10S 244/903 . . Powered
- D Y10S 244/904 . . Miscellaneous hardware or control
- D Y10S 244/905 . Inflatable evacuation slide

**Project: RP11656 (Y10T)**

- D Y10T 16/00 - **Former US Class 16 series**
- D Y10T 16/00 **Miscellaneous hardware [e.g., bushing, carpet fastener, caster, door closer, panel hanger, attachable or adjunct handle, hinge, window sash balance, etc.]**
- D Y10T 16/05 . Bushing
- D Y10T 16/063 . . Providing a restricted or insulated environment [i.e., sealable] for internal elements
- D Y10T 16/075 . . Bung or tap
- D Y10T 16/082 . . . Threaded
- D Y10T 16/088 . . Providing strain relief
- D Y10T 16/10 . Carpet fasteners
- D Y10T 16/104 . . Combined fasteners and stretchers
- D Y10T 16/109 . . Hook
- D Y10T 16/113 . . Moldings
- D Y10T 16/118 . . Rug
- D Y10T 16/122 . . Stair
- D Y10T 16/124 . . . Risers
- D Y10T 16/125 . . . Rods
- D Y10T 16/126 . . . . Catches
- D Y10T 16/1263 . . . . . Sliding
- D Y10T 16/1267 . . . . . Swinging
- D Y10T 16/127 . . Sliding
- D Y10T 16/131 . . Strips
- D Y10T 16/134 . . Swinging
- D Y10T 16/14 . Carpet stiffener or anti-slip device, per se
- D Y10T 16/18 . Casters
- D Y10T 16/182 . . Adjustable
- D Y10T 16/184 . . Wheels
- D Y10T 16/1847 . . . Antifrictionally mounted
- D Y10T 16/1853 . . . Multiple
- D Y10T 16/1857 . . . . Antifrictionally swivelled
- D Y10T 16/186 . . Antifrictionally swivelled
- D Y10T 16/1867 . . . Ball
- D Y10T 16/1873 . . . Cylinder
- D Y10T 16/1877 . . . . Pivoted
- D Y10T 16/188 . . Ball
- D Y10T 16/1887 . . . Antifrictionally mounted

D	Y10T 16/1889	. . . . Ball
D	Y10T 16/1891	. . . . Cylinder
D	Y10T 16/1893	. . . . Pivoted
D	Y10T 16/19	. . Bracket supports
D	Y10T 16/191	. . Detachable
D	Y10T 16/193	. . Leg elevators
D	Y10T 16/1937	. . . Sliding
D	Y10T 16/1943	. . . Swinging
D	Y10T 16/195	. . Locked
D	Y10T 16/196	. . . Shimmy dampening
D	Y10T 16/197	. . Lubricators
D	Y10T 16/199	. . Pintles
D	Y10T 16/201	. . Pintle retainers
D	Y10T 16/202	. . . Frame
D	Y10T 16/203	. . Frame
D	Y10T 16/204	. . . Single leg frame or fork
D	Y10T 16/205	. . Rigid wheel supports
D	Y10T 16/207	. . Scrapers
D	Y10T 16/209	. . Sliding
D	Y10T 16/21	. . . for tubular leg
D	Y10T 16/211	. . Sockets
D	Y10T 16/212	. . Spring supported
D	Y10T 16/214	. . Inclined axle
D	Y10T 16/216	. . Caster guard
D	Y10T 16/218	. . Obstruction climbing aid
D	Y10T 16/22	. Thermally released check or closer
D	Y10T 16/27	. Checks and closers
D	Y10T 16/276	. . Liquid
D	Y10T 16/2766	. . . Concentric spring chamber
D	Y10T 16/2769	. . . . Cam
D	Y10T 16/2771	. . . Hinge
D	Y10T 16/2774	. . . . Floor pivot
D	Y10T 16/2777	. . . Multiple piston
D	Y10T 16/2782	. . . Oscillating cylinder
D	Y10T 16/2788	. . . Oscillating piston
D	Y10T 16/2793	. . . Side spring chamber
D	Y10T 16/2796	. . . . Cam
D	Y10T 16/2799	. . . Spring and flexible link
D	Y10T 16/2804	. . . Spring and gear
D	Y10T 16/281	. . Pneumatic
D	Y10T 16/282	. . . Flexible link
D	Y10T 16/283	. . . Hinge
D	Y10T 16/285	. . . Spring and gear
D	Y10T 16/286	. . . Spring and lever

D	Y10T 16/287	. . Spring and flexible link
D	Y10T 16/293	. . Spring and gear
D	Y10T 16/299	. . Spring and lever
D	Y10T 16/304	. . Hinge
D	Y10T 16/31	. Gate hangers
D	Y10T 16/33	. . Sliding and swinging
D	Y10T 16/35	. Panel hangers, travelers and/or tracks
D	Y10T 16/353	. . with flexible panel attaching means
D	Y10T 16/354	. . . Covered, hollow or slotted track
D	Y10T 16/3543	. . . . with antifriction means
D	Y10T 16/3545	. . . . . Wood track
D	Y10T 16/3547	. . . . . Wood track
D	Y10T 16/355	. . . with antifriction means
D	Y10T 16/356	. . Ball
D	Y10T 16/359	. . Cylinder
D	Y10T 16/361	. . Guide brackets
D	Y10T 16/364	. . Guide rollers
D	Y10T 16/367	. . Link and lever
D	Y10T 16/37	. . Sliding shoe
D	Y10T 16/372	. . . Drapery supports
D	Y10T 16/373	. . Track and bracket
D	Y10T 16/375	. . . Drapery supports
D	Y10T 16/376	. . Covered, hollow or slotted track
D	Y10T 16/377	. . . Wood
D	Y10T 16/378	. . . Drapery supports
D	Y10T 16/3785	. . . . Wood
D	Y10T 16/379	. . Tracks
D	Y10T 16/3797	. . . Drapery supports
D	Y10T 16/3803	. . . Laminated
D	Y10T 16/381	. . Wheel mounts
D	Y10T 16/3813	. . . Antifrictionally mounted wheels
D	Y10T 16/3816	. . . Door elevating
D	Y10T 16/3819	. . . Floor
D	Y10T 16/3822	. . . Reciprocating track
D	Y10T 16/3825	. . . Traveling wheel
D	Y10T 16/3828	. . . Swinging
D	Y10T 16/3831	. . . Swiveling
D	Y10T 16/3834	. . . Vertically adjustable
D	Y10T 16/3837	. . . Wheel and guide roller
D	Y10T 16/384	. . Wheels
D	Y10T 16/387	. . Overlapping doors, common track
D	Y10T 16/39	. Ferrules, rings, and thimbles
D	Y10T 16/42	. . Ring ferrules
D	Y10T 16/44	. Handle, handle component, or handle adjunct

- D Y10T 16/444 . . having receptacle within
- D Y10T 16/447 . . for plow
- D Y10T 16/451 . . Length-adjustable pull handle for luggage or luggage cart [e.g., wheeled suitcase handle, etc.]
- D Y10T 16/455 . . Luggage-type [loop style] handgrip for carrying [e.g., suitcase, handbag, briefcase, shopping bag, package, etc.]
- D Y10T 16/4554 . . . Extensible handle
- D Y10T 16/4559 . . . Detachable handle
- D Y10T 16/4563 . . . Welded or adhesively attached handle
- D Y10T 16/4567 . . . Swinging handle
- D Y10T 16/4569 . . . . with means permanently connecting the handle to a carried article
- D Y10T 16/4571 . . . . with means permanently connecting the handle to a carried article
- D Y10T 16/4576 . . . . with carrier handle including a user enhanced grip attachment
- D Y10T 16/458 . . Door handle
- D Y10T 16/459 . . . Detachable handle
- D Y10T 16/46 . . . Knob type
- D Y10T 16/462 . . Drawer pull
- D Y10T 16/4628 . . . Lift
- D Y10T 16/4636 . . . Knob type
- D Y10T 16/464 . . . . Swinging
- D Y10T 16/4644 . . . Loop type
- D Y10T 16/4652 . . . Ring type
- D Y10T 16/466 . . Handle having mounted grip means [e.g., bicycle handlebar grips, etc.]
- D Y10T 16/469 . . Detachable handle
- D Y10T 16/4696 . . . for battery
- D Y10T 16/4701 . . . for casket
- D Y10T 16/4707 . . . for container
- D Y10T 16/4713 . . . Auxiliary handle
- D Y10T 16/4719 . . . Extension
- D Y10T 16/4724 . . . Cord or rope related
- D Y10T 16/473 . . Extensible handle
- D Y10T 16/476 . . Handle with ergonomic structure [e.g., finger engagement structure such as indents, grooves, etc.] and handle user-interaction [human engineering] enhancements such as improved handle dimensions and handle positioning
- D Y10T 16/48 . . Insulated handle
- D Y10T 16/484 . . Handwheel
- D Y10T 16/487 . . Knob type
- D Y10T 16/491 . . Wire type
- D Y10T 16/495 . . Unshaped or unattached pad
- D Y10T 16/498 . . Bar-type handle
- D Y10T 16/499 . . . for lawnmower
- D Y10T 16/50 . . . Swinging
- D Y10T 16/501 . . . . Casket handle
- D Y10T 16/502 . . Braced handle
- D Y10T 16/506 . . Knob-type handle

- D Y10T 16/508 . . . with flexible suspending means
- D Y10T 16/509 . . Lift
- D Y10T 16/513 . . Loop-type handle
- D Y10T 16/515 . . . Swinging
- D Y10T 16/516 . . Ring-type handle
- D Y10T 16/52 . . Hinge
- D Y10T 16/521 . . including frangible or fusible portion
- D Y10T 16/522 . . with diverse art portion or attachment
- D Y10T 16/524 . . Ball and socket
- D Y10T 16/525 . . Pliant or elastic hinge
- D Y10T 16/5253 . . . Metallic
- D Y10T 16/5257 . . . Snap or X hinge
- D Y10T 16/526 . . Eyeglass hinge
- D Y10T 16/527 . . Retractable pintle
- D Y10T 16/5275 . . . Latch hinge
- D Y10T 16/528 . . Latch hinge
- D Y10T 16/5285 . . . Resilient securing means
- D Y10T 16/529 . . including lever for shifting one member of hinge relative to another
- D Y10T 16/531 . . having staggered leaves
- D Y10T 16/532 . . including adjustment for changing relative orientation of hinged members
- D Y10T 16/5321 . . . having plural independent adjustments
- D Y10T 16/5322 . . . . All rectilinear
- D Y10T 16/53225 . . . . . including screw-operated means to move hinged members
- D Y10T 16/5323 . . . Pivotal adjustment
- D Y10T 16/53235 . . . . including screw-operated means to move hinged members
- D Y10T 16/53238 . . . . . About hinge axis
- D Y10T 16/5324 . . . including means to move hinged members
- D Y10T 16/53247 . . . . Along or parallel to hinge axis
- D Y10T 16/5325 . . . . . including threaded hinge pin
- D Y10T 16/53253 . . . . Screw-operated
- D Y10T 16/53257 . . . . . to shift plate toward or away from hinged member
- D Y10T 16/5326 . . . having adjustable spacer between leaf and hinged member [e.g., shim]
- D Y10T 16/5327 . . . Adjustable along or parallel to hinge axis
- D Y10T 16/5329 . . . having interdigitated surfaces or slot for hinge-to-member fastener
- D Y10T 16/533 . . having cover
- D Y10T 16/5335 . . . Leaf cover
- D Y10T 16/534 . . having clamp for attaching hinge to hinged member
- D Y10T 16/5345 . . . Circumferential clamp
- D Y10T 16/535 . . having means to facilitate assembly and disassembly of hinge sections to join or disjoin hinged members
- D Y10T 16/5353 . . . Resiliently biased hinge
- D Y10T 16/5355 . . . . having helical spring along hinge axis
- D Y10T 16/5357 . . . Resiliently biased retaining means
- D Y10T 16/5358 . . . . having discrete latch and spring to slide or pivot latch

- D Y10T 16/5359 . . . . Discrete retaining means for pivotal contacting surfaces
- D Y10T 16/536 . . . . Separation of pivotal contacting surfaces
- D Y10T 16/53605 . . . . having movable or removable connector
- D Y10T 16/53607 . . . . . Pintle removable from remainder of hinge
- D Y10T 16/536075 . . . . . and additional connector for pintle or separate pintle sections
- D Y10T 16/53608 . . . . . Screw-threaded connector
- D Y10T 16/5361 . . . . . Axially shifting hinge sections
- D Y10T 16/53613 . . . . . At specific angular orientation of hinge sections
- D Y10T 16/53615 . . . . . Hook and pin
- D Y10T 16/5362 . . . . . Hook in aperture
- D Y10T 16/53625 . . . . . Hook to hook
- D Y10T 16/5363 . . . . and discrete movable or removable connector to fasten one hinge section to another
- D Y10T 16/5367 . . . . by relatively sliding connection [e.g., dovetail]
- D Y10T 16/5369 . . . . . including receiving connector attachable to hinged member
- D Y10T 16/537 . . . . having means to reduce friction between hinge parts
- D Y10T 16/5373 . . . . by fluid lubricant
- D Y10T 16/5377 . . . . . Ball or roller bearing
- D Y10T 16/5379 . . . . . Circularly distributed balls or rollers
- D Y10T 16/538 . . . . Resiliently biased hinge
- D Y10T 16/5381 . . . . including means to render spring ineffective through all or a portion of swing
- D Y10T 16/53815 . . . . . comprising manipulatable element or portion
- D Y10T 16/5382 . . . . Biased from either direction toward neutral position [e.g., double acting]
- D Y10T 16/53822 . . . . . Helical spring transverse to hinge axis
- D Y10T 16/53824 . . . . . Plural hinge axes [e.g., multiple pintle]
- D Y10T 16/53825 . . . . . and barrels for helical springs on separate axes
- D Y10T 16/53826 . . . . . Resiliently biased rolling or sliding cam surface
- D Y10T 16/53828 . . . . . by helical spring along hinge axis
- D Y10T 16/5383 . . . . having transverse helical spring or elastic strip
- D Y10T 16/53832 . . . . . Plural hinge axes [e.g., multiple pintle]
- D Y10T 16/53833 . . . . . Four or more axes
- D Y10T 16/53834 . . . . . to counterbalance weight of hinged member [e.g., closure biased to open position]
- D Y10T 16/53835 . . . . . including pivoted coaxial spring retaining bar
- D Y10T 16/53836 . . . . . Over-center spring or linkage travel [e.g., "holdback hinge"]
- D Y10T 16/53838 . . . . . having means to hold hinged members against pivotal movement about hinge axis [i.e., catch]
- D Y10T 16/5384 . . . . Over-center spring or linkage travel [e.g., "holdback hinge"]
- D Y10T 16/53843 . . . . . Plural hinge axes
- D Y10T 16/53845 . . . . . Coil spring having axis along or parallel to hinge axis
- D Y10T 16/53848 . . . . . including camming or sliding surface to deflect spring perpendicularly to the hinge axis
- D Y10T 16/5385 . . . . having means to hold hinged members against pivotal movement about hinge axis [e.g., catch]
- D Y10T 16/5386 . . . . having force adjustment

- D Y10T 16/53862 . . . . Rotatable spring-engaging collar
- D Y10T 16/538627 . . . . . having detention aperture or protuberance
- D Y10T 16/538633 . . . . . having tool-receiving aperture
- D Y10T 16/53864 . . . Plural hinge axes [e.g., multiple pintle]
- D Y10T 16/5387 . . . having axially biased camming surface
- D Y10T 16/5388 . . . Coil
- D Y10T 16/53883 . . . . Plural coils
- D Y10T 16/53885 . . . . to counterbalance weight of hinged member [e.g., horizontal closure biased to open position]
- D Y10T 16/53888 . . . . On pintle
- D Y10T 16/5389 . . . torsion spring
- D Y10T 16/539 . . . Gravitating hinge having vertical axis
- D Y10T 16/5393 . . . having lift rod
- D Y10T 16/5395 . . . having plural spaced hinge axes
- D Y10T 16/5398 . . . including cam surface and follower
- D Y10T 16/53984 . . . . and rolling element
- D Y10T 16/53985 . . . . . Between opposing surfaces
- D Y10T 16/53987 . . . . . and detent in cam surface
- D Y10T 16/53988 . . . . On axially twisted or helically fluted element
- D Y10T 16/53992 . . . . including means to hold hinged members against pivotal movement
- D Y10T 16/53996 . . . . having aperture for slidably receiving pintle [e.g., camming knuckle]
- D Y10T 16/54 . . . including means to hold or retard hinged members against pivotal movement [e.g., catch]
- D Y10T 16/5401 . . . Magnetic
- D Y10T 16/5402 . . . Resiliently biased catch
- D Y10T 16/54021 . . . . having spring force adjustment
- D Y10T 16/54023 . . . . including toggle linkage
- D Y10T 16/54024 . . . . having discrete manipulatable release means [e.g., lever]
- D Y10T 16/540243 . . . . . including cam or eccentric
- D Y10T 16/540247 . . . . . Sliding release means or lever-actuated sliding catch
- D Y10T 16/54025 . . . . Sliding
- D Y10T 16/540253 . . . . . Movement along or parallel to hinge axis
- D Y10T 16/540254 . . . . . . Interdigitated or plural sockets
- D Y10T 16/540255 . . . . . . Opposed interdigitated sliding collars on hinge axis
- D Y10T 16/540256 . . . . . . and catch-receiving socket
- D Y10T 16/540257 . . . . . . and catch-receiving socket
- D Y10T 16/54026 . . . . Pivoted
- D Y10T 16/54028 . . . . Plural alternately useable detents
- D Y10T 16/54029 . . . . Spring arm
- D Y10T 16/540295 . . . . . Plural opposed arms
- D Y10T 16/5403 . . . by friction
- D Y10T 16/54033 . . . . Screw-threaded adjustment
- D Y10T 16/54034 . . . . . Along or parallel to hinge axis
- D Y10T 16/540345 . . . . . Threaded pintle
- D Y10T 16/54035 . . . . Cam or wedge actuator

- D Y10T 16/54038 . . . . On hinge pin or between surfaces surrounding hinge axis
- D Y10T 16/5404 . . . . Pivoted
- D Y10T 16/54044 . . . . Plural alternately useable detents
- D Y10T 16/54048 . . . . and sliding
- D Y10T 16/54052 . . . . Serially connected pivoted arms between leaves [e.g., brace]
- D Y10T 16/54056 . . . . About axis along or parallel to hinge axis
- D Y10T 16/5406 . . . . by transversely moving pin in slot
- D Y10T 16/5407 . . . . having discrete manipulatable release means [e.g., lever operated]
- D Y10T 16/5408 . . . . by shifting hinged members
- D Y10T 16/54085 . . . . Along hinge axis
- D Y10T 16/5409 . . . . Sliding
- D Y10T 16/54095 . . . . Along or parallel to hinge axis
- D Y10T 16/541 . . . . including toothed gear
- D Y10T 16/542 . . . . comprising nested open curved portions attached to hinged members
- D Y10T 16/543 . . . . including hinge pin
- D Y10T 16/544 . . . . including transversely moving pin in slot
- D Y10T 16/5443 . . . . Plural noncollinear pins and slots
- D Y10T 16/5444 . . . . Parallel slots
- D Y10T 16/5445 . . . . having pin fixed to pivoted arm or plate
- D Y10T 16/5448 . . . . Hinge pin movable along slot
- D Y10T 16/545 . . . . including sliding surfaces to permit relative translation of hinged members
- D Y10T 16/5453 . . . . and stop or abutment for pivotal movement
- D Y10T 16/5457 . . . . Movement transverse to hinge axis
- D Y10T 16/546 . . . . Three-hinged members
- D Y10T 16/547 . . . . having plural hinge axes [e.g., multiple pintle]
- D Y10T 16/5472 . . . . having transverse or skewed axes
- D Y10T 16/5474 . . . . Connected by serially arranged pivoted links between hinged members
- D Y10T 16/5475 . . . . Plural sets of serially arranged pivoted links
- D Y10T 16/5476 . . . . Four or more axes
- D Y10T 16/5478 . . . . including stop or latch
- D Y10T 16/548 . . . . including laminated leaf
- D Y10T 16/549 . . . . Wire hinge
- D Y10T 16/551 . . . . having stop or abutment
- D Y10T 16/5513 . . . . Adjustable or resilient
- D Y10T 16/5515 . . . . comprising relieved axially opposed relatively rotating surfaces
- D Y10T 16/5518 . . . . comprising platelike bearing portion curved about hinge axis
- D Y10T 16/552 . . . . Hinge axis passes through hinged member [e.g., floor hinge]
- D Y10T 16/5525 . . . . Pintle or pivot concealed in hinged member
- D Y10T 16/553 . . . . including means to retain pintle in hinge [e.g., tamper proof, nonrising pintle, etc.]
- D Y10T 16/5535 . . . . Threaded or slotted pintle or knuckle
- D Y10T 16/554 . . . . including means to fasten leaf to member
- D Y10T 16/5543 . . . . by expandable connector
- D Y10T 16/5547 . . . . Self-penetrating fastener

- D Y10T 16/555 . . Specified material
- D Y10T 16/557 . . Specific pintle structure
- D Y10T 16/558 . . Specific leaf structure
- D Y10T 16/559 . . having prongs or cooperating structure on leaf
- D Y10T 16/5595 . . . Angular leaf sections
- D Y10T 16/55963 . . . . Parallel sections
- D Y10T 16/55975 . . . . Coplanar sections
- D Y10T 16/55988 . . . . including planar section perpendicular to hinge axis
- D Y10T 16/56 . Closers
- D Y10T 16/568 . . Spring and flexible link
- D Y10T 16/577 . . Spring and gear
- D Y10T 16/585 . . Spring and lever
- D Y10T 16/593 . . Spring
- D Y10T 16/595 . . . Bow
- D Y10T 16/597 . . . Rubber
- D Y10T 16/599 . . . torsional
- D Y10T 16/5995 . . . . Coil
- D Y10T 16/60 . . . Volute
- D Y10T 16/602 . . Weight
- D Y10T 16/61 . Closure checks
- D Y10T 16/615 . . Inertia
- D Y10T 16/62 . . Pneumatic
- D Y10T 16/625 . . Spring
- D Y10T 16/628 . . . Rubber
- D Y10T 16/6285 . . . . Rubber cushioned
- D Y10T 16/629 . . . . Multiple or opposed buffer surfaces
- D Y10T 16/6295 . . . . Link type
- D Y10T 16/6298 . Sash balances
- D Y10T 16/63 . . Cord and counterweight
- D Y10T 16/635 . . Sash and cord
- D Y10T 16/64 . . Spring
- D Y10T 16/641 . . . Drum and cord
- D Y10T 16/642 . . . Friction roller
- D Y10T 16/643 . . . Lever
- D Y10T 16/644 . . . Rack and pinion
- D Y10T 16/645 . . Rack and pinion
- D Y10T 16/65 . Sash-cord fasteners
- D Y10T 16/655 . . Bendable
- D Y10T 16/66 . . Chain
- D Y10T 16/665 . . Clamps
- D Y10T 16/67 . . Hooks
- D Y10T 16/675 . . Knot
- D Y10T 16/68 . . Slack-cord holders
- D Y10T 16/685 . . Weight

- D Y10T 16/69           • Sash-cord guides
- D Y10T 16/698       • • Wheel and casing
- D Y10T 16/706       • • Casings
- D Y10T 16/71         • • • Sheet metal, single piece
- D Y10T 16/714       • • Multiple wheel
- D Y10T 16/722       • • Sliding
- D Y10T 16/73         • Sash weights
- D Y10T 16/743       • • Composite
- D Y10T 16/755       • • Sectional
- D Y10T 16/767       • • Weight and wheel
- D Y10T 16/78         • Window-bead fasteners
- D Y10T 16/82         • Counterbalance device, per se
- D Y10T 16/84         • • Spring
- D Y10T 16/86         • Door escutcheon or similar element
- D Y10T 16/90         • Paper weight
- D Y10T 16/95         • Miscellaneous element or attachment

**Project: RP0462-F (Y10T)**

- U Y10T 464/00       Rotary shafts, gudgeons, housings, and flexible couplings for rotary shafts**
- D Y10T 464/10       • having heating or cooling means  
—(Frozen)  
WARNING  
Group Y10T 464/10 is no longer used for the classification of documents as of January 1, 2021.  
The content of this group is being reclassified into groups F16D 2300/02, F16D 2300/021, F16D 2300/0212, F16D 2300/0214 and F16D 2300/04.  
All groups listed in this Warning should be considered in order to perform a complete search.
- D Y10T 464/20       • with auxilliary indicator or alarm  
—(Frozen)  
WARNING  
Group Y10T 464/20 is no longer used for the classification of documents as of January 1, 2021.  
The content of this group is being reclassified into groups F16D 2300/18 and F16D 2300/20.  
Groups Y10T 464/20, F16D 2300/18 and F16D 2300/20 should be considered in order to perform a complete search.
- D Y10T 464/30       • Electrical or magnetic coupling  
—(Frozen)  
WARNING  
Group Y10T 464/30 is no longer used for the classification of documents as of January 1, 2021.  
The content of this group is being reclassified into groups H02K 49/10, H02K 49/104, H02K 49/106 and H02K 49/108.  
All groups listed in this Warning should be considered in order to perform a complete search.

D Y10T 464/40  
—(Frozen)

- ~~Coupling accommodates drive between members having misaligned or angularly related axes, transmits torque via radially directed pin, and has particular balancing means~~

WARNING

~~Group Y10T 464/40 is no longer used for the classification of documents as of January 1, 2021.~~

~~The content of this group is being reclassified into groups F16D 2300/22 and F16D 3/38.~~

~~Groups Y10T 464/40, F16D 2300/22 and F16D 3/38 should be considered in order to perform a complete search.~~

D Y10T 464/50  
—(Frozen)

- ~~Shafting having particular vibration dampening or balancing structure~~

WARNING

~~Group Y10T 464/50 is no longer used for the classification of documents as of January 1, 2021.~~

~~The content of this group is being reclassified into groups F16F 15/10, F16F 15/32, F16F 15/322, F16F 15/264, F16C 1/00, F16C 1/06, F16C 1/08 and F16C 1/108.~~

~~All groups listed in this Warning should be considered in order to perform a complete search.~~