

Compilation of Changes to the CPC Scheme Between 2020.01 and 2020.02

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: RP0657 (A42B)

- U A42B 3/00 Helmets; ~~Helmet covers~~ {; ~~Other protective head coverings~~}{hoods for welders [A61F 9/06](#);} hoods as protection against chemical agents or for use at high altitudes [A62B 17/00](#); gas helmets [A62B 18/04](#); swimming helmets [A63B 33/00](#); defence protection helmets [F41H 1/04](#))
- U A42B 3/04 · Parts, details or accessories of helmets
- U A42B 3/0406 · {Accessories for helmets}
- A42B 3/0413 · · · {Anti-theft arrangements (~~attaching helmets to cycles~~ [B62J 11/005](#); *supporting arrangements specially adapted for fastening helmets* [B62J 11/24](#); locks [E05](#))}

Project: RP0617 (A63B)

- M A63B 35/00 Swimming framework ~~{, i.e. apparatus fixed to or held by the swimmer or diver,}~~ with driving mechanisms operated by the swimmer or by a motor (other vessels or like floating structures for pleasure or sport ~~[B63B 35/71](#)~~ [B63B 32/00](#), ~~[B63B 35/73](#)~~ [B63B 34/00](#); divers' sleds or like craft [B63C 11/46](#))
- NOTE
- References listed below indicate CPC places which could also be of interest when carrying out a search in respect of the subject matter covered by the preceding group:
- Effecting propulsion of vessels by muscle power
[B63H 16/00](#)
- U A63B 69/00 Training appliances or apparatus for special sports (training of parachutists [B64D 23/00](#))
- M A63B 69/0093 · {for surfing, i.e. without a sail; for skate or snow boarding}

WARNING

Group [A63B 69/0093](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 34/70](#) and [B63B 35/00](#). All groups listed in this Warning should be considered in order to perform a complete search.

Project: RP0617 (A63C)

M A63C SKATES; SKIS; ROLLER SKATES; DESIGN OR LAYOUT OF COURTS, RINKS OR THE LIKE (~~devices for underwater sports A63B 31/00, A63B 33/00, B63C 11/00; devices for gliding on water, e.g. water skis, B63B 35/79, B63B 35/81, B63B 35/83~~ **water skis B63B 32/00, B63B 34/00**)

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:

[A63C 5/025](#) covered by [A63C 5/00](#)

[A63C 5/14](#) covered by [A63C 5/12](#)

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.

U A63C 5/00 Skis or snowboards (sledges with runners, e.g. ski-bobs, B62B 13/00; runners for sledges B62B 17/02; runners for carrying wheeled vehicles to facilitate travel on snow or ice B62B 19/00)

C A63C 5/11 - combined with sails or the like {; Accessories specially adapted for sail-skiing}

NOTE

When classifying in this group, details of sail or rigging arrangements which are suited for marine wind propulsion are also classified in the relevant groups of subclass B63H, e.g. in groups B63H 8/00, B63H 9/04.

WARNING

Group A63C 5/11 is impacted by reclassification into groups B63H 8/00 - B63H 8/70 and B63H 9/04 - B63H 9/072.

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

Project: RP0617 (A63H)

M A63H TOYS, e.g. TOPS, DOLLS, HOOPS; **OR BUILDING BLOCKS**

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:

[A63H 3/33](#) covered by [A63H 3/28](#)

[A63H 17/267](#) covered by [A63H 17/262](#)

[A63H 17/273](#) covered by [A63H 17/26](#)

[A63H 17/385](#) covered by [A63H 17/36](#)

[A63H 17/39](#) covered by [A63H 17/36](#)

[A63H 17/41](#) covered by [A63H 17/40](#)

[A63H 25/00](#) covered by [A63H 29/16](#), [A63H 31/00](#)

[A63H 25/02](#) covered by [A63H 29/16](#), [A63H 31/00](#)

[A63H 27/01](#) covered by [A63H 27/007](#)

[A63H 27/127](#) covered by [A63H 27/12](#)

[A63H 27/133](#) covered by [A63H 27/12](#)

[A63H 27/16](#) covered by [A63H 27/001](#), [A63H 33/16](#)

[A63H 27/18](#) covered by [A63H 27/00](#), [A63H 27/02](#)

[A63H 27/20](#) covered by [A63H 27/00](#)

[A63H 27/22](#) covered by [A63H 27/00](#), [A63H 29/18](#)

[A63H 27/24](#) covered by [A63H 27/02](#), [A63H 29/00](#),

[A63H 29/22](#)

[A63H 27/26](#) covered by [A63H 27/06](#)

A63H 27/28 covered by [A63H 27/008](#)
A63H 27/30 covered by [A63H 27/02](#)
A63H 27/32 covered by [A63H 27/00](#)

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.

U A63H 27/00 Toy aircraft; Other flying toys (toys with parachutes [A63H 33/20](#)); Starting or launching devices therefor}

C A63H 27/08 • Kites ~~{(other than toy aspects [B64C 31/06](#) kite-sails or kite-wings specially adapted for water sports boards [B63H 8/10](#); kite-sails for wind propelled vessels [B63H 9/069](#))}~~

WARNING

Groups [A63H 27/08](#) - [A63H 27/087](#) are impacted by reclassification into groups [B63H 8/10](#) - [B63H 8/18](#), [B63H 8/23](#), [B63H 8/25](#), [B63H 8/50](#) - [B63H 8/70](#) and [B63H 9/068](#) - [B63H 9/072](#).

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

C A63H 27/082 • {Rotary kites; Kites provided with rotary parts}

C A63H 27/085 • {Inflatable kites}

C A63H 27/087 • {Means for launching objects along the kite string, e.g. with parachutes}

Project: RP0617 (B60F)

U B60F 3/00 Amphibious vehicles, i.e. vehicles capable of travelling both on land and on water; Land vehicles capable of travelling under water (buoyant wheels [B60B](#) {; equipment forming part of, or attachable to vessels, facilitating transport over land [B63C 13/00](#))}

U B60F 3/0061 • {Amphibious vehicles specially adapted for particular purposes or of a particular type (armoured amphibious vehicles [F41H 7/00](#); equipment for working under water [B63C 11/00](#); flating bridges designed as or mounted on vehicles [E01D 15/22](#))}

B60F 3/0092 • {Amphibious trailers (trailers in general [B62D 63/06](#); house boats [B63B 35/732](#) [B63B 2035/4426](#))}

Project: RP0617 (B60K)

U B60K ARRANGEMENT OR MOUNTING OF PROPULSION UNITS OR OF TRANSMISSIONS IN VEHICLES; ARRANGEMENT OR MOUNTING OF PLURAL DIVERSE PRIME-MOVERS IN VEHICLES; AUXILIARY DRIVES FOR VEHICLES; INSTRUMENTATION OR DASHBOARDS FOR VEHICLES; ARRANGEMENTS IN CONNECTION WITH COOLING, AIR INTAKE, GAS EXHAUST OR FUEL SUPPLY OF PROPULSION UNITS IN VEHICLES

NOTES

1. In this subclass, the following terms or expressions are used with the meanings indicated:

- "conjoint control of drive units" includes such control for vehicles or of general applicability;
- "auxiliary drives" means drives of auxiliary or external machines or devices from the propulsion unit, transmission, or other parts of the vehicle, and includes the control of such drives;
- "transmission" means all propulsion parts linking propulsion units, e.g. engines, to ultimate propulsive elements, e.g. wheels;
- "drive unit" means propulsion unit conjoint with transmission, a "drive unit" can additionally include the ultimate driven unit;
- "sub-unit" means, e.g. propulsion unit, clutch, gearing or brake system;

- "hybrid vehicle" means vehicles with plural diverse prime-movers for mutual or common propulsion

2. Attention is drawn to the Note following the title of class [B60](#)

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.

C B60K 16/00

Arrangements in connection with power supply of propulsion units in vehicles from **forceforces** of nature, e.g. sun or wind (electric propulsion with power supply from **forceforces** of nature, e.g. sun or wind; [B60L 8/00](#); **effecting propulsion by wind motors driving water-engaging propulsive elements** [B63H 13/00](#); **marine propulsion by wind motors driving water-engaging propulsive elements** [B63H 13/00](#); wind motors specially adapted for installation on vehicles [F03D 9/32](#))

NOTE

When classifying in this group, details of sail or rigging arrangements which are suited for marine wind propulsion are also classified in the relevant groups of subclass [B63H](#), e.g. in groups [B63H 8/00](#), [B63H 9/04](#).

WARNING

Group [B60K 16/00](#) is impacted by reclassification into groups [B63H 8/00](#) - [B63H 8/70](#), [B63H 9/04](#), [B63H 9/06](#), [B63H 9/061](#), [B63H 9/065](#), [B63H 9/067](#) and [B63H 9/068](#) - [B63H 9/072](#).

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

C B60K 2016/006

- {wind power driven}

WARNING

Group [B60K 2016/006](#) is impacted by reclassification into groups [B63H 8/00](#) - [B63H 8/70](#), [B63H 9/04](#), [B63H 9/06](#), [B63H 9/061](#), [B63H 9/065](#), [B63H 9/067](#) and [B63H 9/068](#) - [B63H 9/072](#).

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

Project: RP0621 (B60K)

C B60K 28/00

Safety devices for propulsion-unit control, specially adapted for, or arranged in, vehicles, e.g. preventing fuel supply or ignition in the event of potentially dangerous conditions (for electrically-propelled vehicles [B60L 3/00](#); road vehicle drive control systems for purposes not related to the control of a particular sub-**unitsunit** [B60W 30/00](#); **drive control systems specially adapted for autonomous road vehicles** [B60W 60/00](#))

WARNING

Groups [B60K 28/00](#) - [B60K 28/165](#) are impacted by reclassification into groups [B60W 60/00](#) - [B60W 60/007](#), [B60W 2300/00](#) - [B60W 2530/213](#), [B60W 2540/041](#) - [B60W 2540/049](#), [B60W 2552/00](#) - [B60W 2556/65](#), [B60W 2710/00](#) - [B60W 2720/406](#), and [B60W 2754/00](#) - [B60W 2900/00](#).

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

C B60K 2028/003

- {inhibiting the starter motor, e.g. by controlling ignition or park lock circuits}

C B60K 2028/006

- {disconnecting the electric power supply, e.g. the vehicle battery}

C B60K 28/02

- responsive to conditions relating to the driver-~~{(see provisionally also [B60K 28/00](#))}~~

C B60K 28/04

- responsive to presence or absence of the driver, e.g. to weight or lack thereof

- C B60K 28/06 . . responsive to incapacity of driver
- C B60K 28/063 . . . {preventing starting of vehicles}
- C B60K 28/066 . . . {actuating a signalling device ([B60K 28/063](#) takes precedence)}
- C B60K 28/08 . responsive to conditions relating to the cargo, e.g. overload ~~{{see provisionally also B60K 28/00}}~~
- C B60K 28/10 . responsive to conditions relating to the vehicle ~~{{see provisionally also B60K 28/00}}~~
- C B60K 28/12 . . responsive to conditions relating to doors or doors locks, e.g. open door ~~{{see provisionally also B60K 28/00}}~~
- C B60K 28/14 . . responsive to accident or emergency, e.g. deceleration, tilt of vehicle
- C B60K 28/16 . . responsive to, or preventing, skidding of wheels (brake control systems for vehicle drive stability [B60T 8/1755](#); arrangements responsive to a speed condition for adjusting wheel braking force [B60T 8/32](#); control of vehicle driving stability otherwise than by controlling the propulsion unit only [B60W 30/02](#); preventing wheel slippage by reducing power in rail vehicles [B61C 15/00](#))
- C B60K 28/165 . . . {acting on elements of the vehicle drive train other than the propulsion unit and brakes, e.g. transmission, clutch, differential (acting on brakes [B60T 8/17](#))}

Project: N/A (B60K)**B60K 31/00**

Vehicle fittings, acting on a single sub-unit only, for automatically controlling *vehicle speed*, i.e. preventing speed from exceeding an arbitrarily established velocity or maintaining speed at a particular velocity, as selected by the vehicle operator (fittings acting on two or more sub-units [B60W 30/14](#); propulsion unit control in general, see the relevant classes or subclasses, e.g. [F02D](#); speedometers [G01P](#); systems or devices for controlling speed in general [G05D 13/00](#); {in traffic anti-collision system for road vehicles [G08G 1/16](#)})

NOTE

In this group:

- the means ordinarily includes a device, e.g. a servomechanism, for operating a velocity-affecting element of the vehicle, e.g. the throttle;
- a means for preventing a vehicle from exceeding a particular speed is often referred to as a "governor", whereas a means for maintaining the vehicle within a relatively narrow speed range is generally designated as "speed control". Since these two functions are frequently interrelated, no attempt has been made to identify such means as being particularly adapted to perform only one, or the other of the functions.

Project: RP0617 (B60P)**U B60P 3/00**

Vehicles adapted to transport, to carry or to comprise special loads or objects (ambulances or other vehicles with special provisions for transporting patients or disabled persons, or their personal conveyances [A61G 3/00](#); hearses [A61G 21/00](#); fire-fighting land vehicles [A62C 27/00](#); refuse-collecting vehicles [B65F 3/00](#), [B65F 7/00](#); snow-removing vehicles [E01H](#); armoured or armed vehicles [F41H 7/00](#); self-propelled mine-clearing vehicles [F41H 11/16](#))

U B60P 3/06

- for carrying vehicles ([B60P 3/12](#) takes precedence; caravans, camping, or like vehicles with vehicle-carrying means {[B60P 3/36](#)})

B60P 3/10

- for carrying boats {{for carrying sailboards [B60R 9/08](#), [B63B 35/7946](#) [B63B 32/80](#); equipment forming part of or attachable to vessels facilitating transport over land, e.g. wheel units, towing units, [B63C 13/00](#)}}

Project: RP0621 (B60W)

M B60W

CONJOINT CONTROL OF VEHICLE SUB-UNITS OF DIFFERENT TYPE OR DIFFERENT FUNCTION; CONTROL SYSTEMS SPECIALLY ADAPTED FOR HYBRID VEHICLES; ROAD VEHICLE DRIVE CONTROL SYSTEMS FOR PURPOSES NOT RELATED TO THE CONTROL OF A PARTICULAR SUB-UNITNOTES

1. This subclass does not cover the control of a single sub-unit; such control is classified in the relevant place for the sub-unit, e.g. [F02D](#), [F16H](#). Where a single sub-unit is controlled by means of signals or commands from other sub-units, the control of this single sub-unit is classified in the relevant place for this sub-unit. For example, the control of variable-ratio gearing by means of signals from the engine or the accelerator is classified in the subclass for gearing, [F16H](#).
2. Conjoint control of driveline units, e.g. engines, and variable-ratio gearing occurring only transiently during ratio shift and being also characterised by the control of the gearing is also classified in the subclass for gearing, [F16H](#).
3. In groups [B60W 20/00](#) - [B60W 50/00](#), the first place priority rule is applied, i.e. at each hierarchical level, classification is made in the first appropriate place.
4. When classifying in group [B60W 10/00](#), classification must also be made in groups [B60W 20/00](#) - [B60W 50/00](#) in order to identify the purpose or use of the control.
5. In this subclass, the following terms are used with the meanings indicated:
 - "conjoint control" means that a programmed or condition-responsive {main} automatic controller on board the vehicle, embodying control logic for vehicle sub-units of different type or different function, sends control signals to actuators of two or more vehicle sub-units, ~~{ three or more vehicle sub-units for groups B60W 30/00-B60W 30/16}~~, so that the sub-units act together to solve a particular problem or in response to a ~~particular~~*particular* driving condition, {in order to improve stability, comfort or safety by managing the global dynamics of the vehicle};
 - "drive control system" means an electronic system ~~in~~*on board* a road vehicle for automatically controlling the movement {by managing the global dynamics} of that vehicle in order to take certain actions{in order to improve stability, comfort or safety};
 - "road vehicle" means a ~~{ motorised passenger} vehicle normally under the control of a human driver~~*vehicle* for transportation on roads, e.g. an automobile, truck or bus;
 - *"autonomous road vehicle" means a road vehicle capable of controlling all dynamic driving tasks without human intervention during a plurality of driving scenarios by using on-board computer hardware and software to execute decision making processes in real-time.*
 - "sub-unit" means one of the following vehicle systems: {driveline systems, e.g.} propulsion system, clutch system, change-speed gearing system, system for distributing drive torque between front and rear axles, axle differential system, brake system, steering system, suspension system, {and, particularly for hybrid vehicles,} energy storage means, fuel cells, or auxiliary equipment.

T B60W 10/00 Conjoint control of vehicle sub-units of different type or different function (for propulsion of purely electrically-propelled vehicles with power supplied within the vehicle [B60L 50/00](#) - [B60L 58/00](#))

NOTE

When classifying in this group, each controlled sub-unit must be separately identified by a classification in a relevant place in this group.

WARNING

Group [B60W 10/00](#) is incomplete pending reclassification of documents from groups [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

T B60W 10/02 • including control of driveline clutches

WARNING

Group [B60W 10/02](#) is incomplete pending reclassification of documents from groups [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

C B60W 10/023 • • {Fluid clutches, ~~e.g. torque converters~~}

WARNING

Group [B60W 10/023](#) is incomplete pending reclassification of documents from groups [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#). Group [B60W 10/023](#) is also impacted by reclassification into groups [B60W 10/024](#) and [B60W 10/026](#).

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

N B60W 10/0235 • • • {of bridging or lock-up clutches}

WARNING

Group [B60W 10/0235](#) is incomplete pending reclassification of documents from groups [B60W 10/026](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

N B60W 10/024 • • {including control of torque converters}

WARNING

Group [B60W 10/024](#) is incomplete pending reclassification of documents from groups [B60W 10/023](#), [B60W 10/026](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

C B60W 10/026 • • • {~~Clutches for bridging a fluid gearing, e.g. of~~ lock-up ~~clutches~~}

WARNING

Group [B60W 10/026](#) is incomplete pending reclassification of documents from groups [B60W 10/023](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#). Group [B60W 10/026](#) is also impacted by reclassification into groups [B60W 10/0235](#) and [B60W 10/024](#).

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

M B60W 10/04

- including control of propulsion units

WARNING

Groups B60W 10/04 - B60W 10/08 are incomplete pending reclassification of documents from groups G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.

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

M B60W 10/10

- including control of change-speed gearings

WARNING

Groups B60W 10/10 - B60W 10/115 are incomplete pending reclassification of documents from groups G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.

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

M B60W 10/119

- including control of all-wheel-driveline means, e.g. transfer gears or clutches for dividing torque between front and rear axle ([B60W 10/14](#) takes precedence)

WARNING

Group B60W 10/119 is incomplete pending reclassification of documents from groups G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.

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

M B60W 10/12

- including control of differentials

WARNING

Groups B60W 10/12 - B60W 10/16 are incomplete pending reclassification of documents from groups G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.

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

M B60W 10/18

- including control of braking systems

WARNING

Groups B60W 10/18 - B60W 10/198 are incomplete pending reclassification of documents from groups G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.

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

M B60W 10/20

- including control of steering systems

WARNING

Group B60W 10/20 is incomplete pending reclassification of documents from groups G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.

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

- M B60W 10/22
- including control of suspension systems
- WARNING**
*Group B60W 10/22 is incomplete pending reclassification of documents from groups G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.
All groups listed in this Warning should be considered in order to perform a complete search.*
- M B60W 10/24
- including control of energy storage means
- WARNING**
*Groups B60W 10/24 - B60W 10/26 are incomplete pending reclassification of documents from groups G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.
All groups listed in this Warning should be considered in order to perform a complete search.*
- M B60W 10/28
- including control of fuel cells
- WARNING**
*Group B60W 10/28 is incomplete pending reclassification of documents from groups G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.
All groups listed in this Warning should be considered in order to perform a complete search.*
- M B60W 10/30
- including control of auxiliary equipment, e.g. air-conditioning compressors or oil pumps
- WARNING**
*Group B60W 10/30 is incomplete pending reclassification of documents from groups G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.
All groups listed in this Warning should be considered in order to perform a complete search.*
- M B60W 20/00
- Control systems specially adapted for hybrid vehicles {(hybrid vehicle design, B60K 6/00; electric vehicles B60L)}**
- WARNING**
*Groups B60W 20/00 - B60W 20/50 are incomplete pending reclassification of documents from groups G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.
All groups listed in this Warning should be considered in order to perform a complete search.*
- M B60W 30/00
- Purposes of road vehicle drive control systems not related to the control of a particular sub-unit, e.g. of systems using conjoint control of vehicle sub-units {, or advanced driver assistance systems for ensuring comfort, stability and safety or drive control systems for propelling or retarding the vehicle (anti-lock brake systems [ABS] B60T 8/00)}**
- WARNING**
*Groups B60W 30/00 - B60W 2030/206 are incomplete pending reclassification of documents from groups G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.
All groups listed in this Warning should be considered in order to perform a complete search.*

- U B60W 30/10
 - Path keeping {(cruise control for automatically following a preceding vehicle [B60W 30/165](#))}
- C B60W 30/12
 - • Lane keeping
- U B60W 30/14
 - {Adaptive} cruise control
- C B60W 30/16
 - • Control of distance between vehicles, e.g. keeping a distance to preceding vehicle
- C B60W 30/162
 - • • {Speed limiting therefor}
- C B60W 30/165
 - • • Automatically following the path of a preceding lead vehicle, e.g. "electronic tow-bar"
- C B60W 30/17
 - • • with provision for special action when the preceding vehicle comes to a halt, e.g. stop and go
- U B60W 30/18
 - Propelling the vehicle
- U B60W 30/18009
 - • {related to particular drive situations}
- T B60W 30/18154
 - • • {Approaching an intersection}
- N *B60W 30/18159*
 - • • {*Traversing an intersection*}

WARNING

Group [B60W 30/18159](#) is incomplete pending reclassification of documents from groups [B60W 30/12](#), [B60W 30/16](#), [B60W 30/162](#), [B60W 30/165](#), [B60W 30/17](#), [B60W 30/182](#), [B60W 50/082](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

All groups listed in this Warning should be considered in order to perform a complete search.
- C B60W 30/182
 - • Selecting between different operative modes, e.g. comfort and performance modes
- M B60W 40/00**

Estimation or calculation of {non-directly measurable} driving parameters for road vehicle drive control systems not related to the control of a particular sub unit, {e.g. by using mathematical models}

WARNING

Groups [B60W 40/00](#) - [B60W 2040/1392](#) are incomplete pending reclassification of documents from groups [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

All groups listed in this Warning should be considered in order to perform a complete search.
- M B60W 50/00**

Details of control systems for road vehicle drive control not related to the control of a particular sub-unit {, e.g. process diagnostic or vehicle driver interfaces}

WARNING

Groups [B60W 50/00](#) - [B60W 50/16](#) are incomplete pending reclassification of documents from groups [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

All groups listed in this Warning should be considered in order to perform a complete search.
- U B60W 50/08
 - Interaction between the driver and the control system
- C B60W 50/082
 - • {Selecting or switching between different modes of propelling}
- U B60W 50/14
 - • Means for informing the driver, warning the driver or prompting a driver intervention
- T B60W 50/16
 - • • Tactile feedback to the driver, e.g. vibration or force feedback to the driver on the steering wheel or the accelerator pedal

N B60W 60/00 Drive control systems specially adapted for autonomous road vehicles**WARNING**

Groups [B60W 60/00](#) - [B60W 60/007](#) are incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [B60W 30/12](#), [B60W 30/16](#), [B60W 30/162](#), [B60W 30/165](#), [B60W 30/17](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

- N B60W 60/001 • {Planning or execution of driving tasks}
- N B60W 60/0011 • • {involving control alternatives for a single driving scenario, e.g. planning several paths to avoid obstacles}
- N B60W 60/0013 • • {specially adapted for occupant comfort}
- N B60W 60/00133 • • • {for resting}
- N B60W 60/00136 • • • {for intellectual activities, e.g. reading, gaming or working}
- N B60W 60/00139 • • • {for sight-seeing}
- N B60W 60/0015 • • {specially adapted for safety}
- N B60W 60/0016 • • • {of the vehicle or its occupants}
- N B60W 60/0017 • • • {of other traffic participants}
- N B60W 60/0018 • • • {by employing degraded modes, e.g. reducing speed, in response to suboptimal conditions}
- N B60W 60/00182 • • • • {in response to weather conditions}
- N B60W 60/00184 • • • • {related to infrastructure}
- N B60W 60/00186 • • • • {related to the vehicle}
- N B60W 60/00188 • • • • {related to detected security violation of control systems, e.g. hacking of moving vehicle}
- N B60W 60/0021 • • {specially adapted for travel time}
- N B60W 60/0023 • • {in response to energy consumption}
- N B60W 60/0024 • • {with mediation between passenger and vehicle requirements, e.g. decision between dropping off a passenger or urgent vehicle service}
- N B60W 60/0025 • • {specially adapted for specific operations}
- N B60W 60/00253 • • • {Taxi operations}
- N B60W 60/00256 • • • {Delivery operations}
- N B60W 60/00259 • • • {Surveillance operations}
- N B60W 60/0027 • • {using trajectory prediction for other traffic participants}
- N B60W 60/00272 • • • {relying on extrapolation of current movement}
- N B60W 60/00274 • • • {considering possible movement changes}
- N B60W 60/00276 • • • {for two or more other traffic participants}
- N B60W 60/005 • {Handover processes (between vehicles and remote control entities [G05D 1/0011](#))}
- N B60W 60/0051 • • {from occupants to vehicle}
- N B60W 60/0053 • • {from vehicle to occupant}
- N B60W 60/0054 • • • {Selection of occupant to assume driving tasks}
- N B60W 60/0055 • • • {only part of driving tasks shifted to occupants}
- N B60W 60/0057 • • {Estimation of the time available or required for the handover}
- N B60W 60/0059 • • {Estimation of the risk associated with autonomous or manual driving, e.g. situation too complex, sensor failure or driver incapacity}

N B60W 60/0061

· · {Aborting handover process}

N B60W 60/007

· {Emergency override (remote control [G05D 1/0011](#))}

M B60W 2300/00

Indexing codes relating to the type of vehicle

WARNING

Groups [B60W 2300/00](#) - [B60W 2300/50](#) are incomplete pending reclassification of documents from groups [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

M B60W 2400/00

Indexing codes relating to detected, measured or calculated conditions or factors

WARNING

Group [B60W 2400/00](#) is incomplete pending reclassification of documents from groups [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

M B60W 2420/00

Indexing codes relating to the type of sensors based on the principle of their operation

WARNING

Groups [B60W 2420/00](#) - [B60W 2420/905](#) are incomplete pending reclassification of documents from groups [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

M B60W 2422/00

Indexing codes relating to the special location or mounting of sensors

WARNING

Groups [B60W 2422/00](#) - [B60W 2422/95](#) are incomplete pending reclassification of documents from groups [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

M B60W 2510/00

Input parameters relating to a particular sub-units

WARNING

Groups [B60W 2510/00](#) - [B60W 2510/305](#) are incomplete pending reclassification of documents from groups [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

M B60W 2520/00

Input parameters relating to overall vehicle dynamics

WARNING

Groups [B60W 2520/00](#) - [B60W 2520/406](#) are incomplete pending reclassification of documents from groups [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

T	B60W 2530/00	<p>Input parameters relating to other vehicle conditions or values, not covered by groups B60W 2510/00 or B60W 2520/00</p> <p>WARNING</p> <p>Group B60W 2530/00 - B60W 2530/20 are incomplete pending reclassification of documents from groups B60K 28/00 - B60K 28/165, G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
T	B60W 2530/20	<ul style="list-style-type: none"> • Tyre data
N	B60W 2530/201	<ul style="list-style-type: none"> • Dimensions of vehicle <p>WARNING</p> <p>Groups B60W 2530/201 - B60W 2530/213 are incomplete pending reclassification of documents from groups B60K 28/00 - B60K 28/165, B60W 30/12, B60W 30/16, B60W 30/162, B60W 30/165, B60W 30/17, B60W 30/182, B60W 50/082, G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	B60W 2530/203	<ul style="list-style-type: none"> • Presence of trailer
N	B60W 2530/205	<ul style="list-style-type: none"> • • Dimensions of trailer
N	B60W 2530/207	<ul style="list-style-type: none"> • • Towing force
N	B60W 2530/209	<ul style="list-style-type: none"> • Fuel quantity remaining in tank
N	B60W 2530/211	<ul style="list-style-type: none"> • Fuel quality, e.g. water content due to age of fuel
N	B60W 2530/213	<ul style="list-style-type: none"> • Fuel type
D	B60W 2530/22	<ul style="list-style-type: none"> • Towing force <p><administratively transferred to B60W 2530/207 ADD></p>
T	B60W 2540/00	<p>Input parameters relating to the driver occupants</p> <p>WARNING</p> <p>Group B60W 2540/00 is incomplete pending reclassification of documents from groups B60K 28/00 - B60K 28/165, G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	B60W 2540/01	<ul style="list-style-type: none"> • Occupants other than the driver <p>WARNING</p> <p>Groups B60W 2540/01 - B60W 2540/049 are incomplete pending reclassification of documents from groups B60K 28/00 - B60K 28/165, B60W 30/12, B60W 30/16, B60W 30/162, B60W 30/165, B60W 30/17, B60W 30/182, B60W 50/082, G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
D	B60W 2540/02	<ul style="list-style-type: none"> • Driver's voice <p><administratively transferred to B60W 2540/21 ADD></p>
D	B60W 2540/04	<ul style="list-style-type: none"> • Driver selection, e.g. driver confirmation <p><administratively transferred to B60W 2540/215 ADD></p>
N	B60W 2540/041	<ul style="list-style-type: none"> • Potential occupants

- N B60W 2540/043 · Identity of occupants
- N B60W 2540/045 · Occupant permissions
- N B60W 2540/047 · Prioritizing desires of multiple occupants, e.g. when setting climate control or driving behaviour
- N B60W 2540/049 · Number of occupants
- T B60W 2540/06 · Ignition switch

WARNING

Groups [B60W 2540/06](#) - [B60W 2540/20](#) are incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).
 All groups listed in this Warning should be considered in order to perform a complete search.

- T B60W 2540/10 · Accelerator pedal position
- T B60W 2540/103 · Accelerator thresholds, e.g. kickdown
- T B60W 2540/106 · Rate of change
- T B60W 2540/12 · Brake pedal position
- T B60W 2540/14 · Clutch pedal position
- T B60W 2540/16 · Ratio selector position
- T B60W 2540/165 · Rate of change
- T B60W 2540/18 · Steering angle
- T B60W 2540/20 · Direction indicator values
- N B60W 2540/21 · Voice

WARNING

Groups [B60W 2540/21](#) - [B60W 2540/215](#) are incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [B60W 30/12](#), [B60W 30/16](#), [B60W 30/162](#), [B60W 30/165](#), [B60W 30/17](#), [B60W 30/182](#), [B60W 50/082](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).
 All groups listed in this Warning should be considered in order to perform a complete search.

- N B60W 2540/215 · Selection or confirmation of options
- T B60W 2540/22 · Psychological state; Stress level or workload

WARNING

Group [B60W 2540/22](#) is incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).
 All groups listed in this Warning should be considered in order to perform a complete search.

- N B60W 2540/221 · Physiology, e.g. weight, heartbeat, health or special needs

WARNING

Groups [B60W 2540/221](#) - [B60W 2540/229](#) are incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [B60W 30/12](#), [B60W 30/16](#), [B60W 30/162](#), [B60W 30/165](#), [B60W 30/17](#), [B60W 30/182](#), [B60W 50/082](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).
 All groups listed in this Warning should be considered in order to perform a complete search.

- N B60W 2540/223 · Posture, e.g. hand, foot, or seat position, turned or inclined

- N B60W 2540/225 · Direction of gaze
- N B60W 2540/227 · Position in the vehicle
- N B60W 2540/229 · Attention level, e.g. attentive to driving, reading or sleeping
- T B60W 2540/24 · Drug level, e.g. alcohol

WARNING

Groups B60W 2540/24 - B60W 2540/30 are incomplete pending reclassification of documents from groups B60K 28/00 - B60K 28/165, G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223. All groups listed in this Warning should be considered in order to perform a complete search.

- T B60W 2540/26 · Incapacity ~~of driver~~
- D B60W 2540/28 · Identity of driver
<administratively transferred to [B60W 2540/043](#) ADD>
- T B60W 2540/30 · Driving style
- D B60W 2550/00** **Input parameters relating to exterior conditions**
<administratively transferred to [B60W 2555/00](#) ADD>
- D B60W 2550/10 · ~~from obstacle detection~~
<administratively transferred to [B60W 2554/00](#) ADD>
- D B60W 2550/12 · Ambient conditions, e.g. wind or rain
<administratively transferred to [B60W 2555/20](#) ADD>
- D B60W 2550/13 · Altitude
<administratively transferred to [B60W 2555/40](#) ADD>
- D B60W 2550/14 · Road conditions, road types or road features
<administratively transferred to [B60W 2552/00](#) ADD>
- D B60W 2550/141 · · Type of road
<administratively transferred to [B60W 2552/05](#) ADD>
- D B60W 2550/142 · · Road slope
<administratively transferred to [B60W 2552/15](#) ADD>
- D B60W 2550/143 · · Road profile
<administratively transferred to [B60W 2552/20](#) ADD>
- D B60W 2550/145 · · Road altitude
<administratively transferred to [B60W 2552/25](#) ADD>
- D B60W 2550/146 · · Road curve radius
<administratively transferred to [B60W 2552/30](#) ADD>
- D B60W 2550/147 · · Road bumpiness, e.g. pavement or potholes
<administratively transferred to [B60W 2552/35](#) ADD>
- D B60W 2550/148 · · Coefficient of friction
<administratively transferred to [B60W 2552/40](#) ADD>
- D B60W 2550/16 · Country codes
<administratively transferred to [B60W 2555/80](#) ADD>
- D B60W 2550/20 · Traffic related input parameters
<administratively transferred to [B60W 2554/00](#) ADD>

- D B60W 2550/22
 - Traffic rules, e.g. traffic signs
<administratively transferred to [B60W 2555/60](#) ADD>
- D B60W 2550/30
 - Distance or speed relative to other vehicles
<administratively transferred to [B60W 2554/80](#) ADD>
- D B60W 2550/302
 - the longitudinal speed of preceding vehicle
<administratively transferred to [B60W 2554/804](#) ADD>
- D B60W 2550/304
 - the lateral speed of preceding vehicle
<administratively transferred to [B60W 2554/803](#) ADD>
- D B60W 2550/306
 - the position of preceding vehicle
<administratively transferred to [B60W 2554/4041](#) ADD>
- D B60W 2550/308
 - Distance between vehicles
<administratively transferred to [B60W 2554/801](#) ADD>
- D B60W 2550/40
 - Involving external transmission of data to or from the vehicle
<administratively transferred to [B60W 2556/45](#) ADD>
- D B60W 2550/402
 - for navigation systems
<administratively transferred to [B60W 2556/50](#) ADD>
- D B60W 2550/404
 - using telemetry
<administratively transferred to [B60W 2556/55](#) ADD>
- D B60W 2550/406
 - using satellite communication
<administratively transferred to [B60W 2556/60](#) ADD>
- D B60W 2550/408
 - Data transmitted between vehicles
<administratively transferred to [B60W 2556/65](#) ADD>

Q B60W 2552/00**Input parameters relating to infrastructure****WARNING**

Group [B60W 2552/00](#) is incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#). Group [B60W 2552/00](#) is also impacted by reclassification into groups [B60W 2552/00](#) - [B60W 2552/53](#). All groups listed in this Warning should be considered in order to perform a complete search.

Q B60W 2552/05

- Type of road

WARNING

Group [B60W 2552/05](#) is incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#). Group [B60W 2552/05](#) is also impacted by reclassification into groups [B60W 2552/05](#) and [B60W 2552/10](#). All groups listed in this Warning should be considered in order to perform a complete search.

N B60W 2552/10

- Number of lanes

WARNING

Groups [B60W 2552/10](#) - [B60W 2552/53](#) are incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [B60W 2552/00](#), [B60W 2552/05](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#). All groups listed in this Warning should be considered in order to perform a complete search.

- N B60W 2552/15 · Road slope
- N B60W 2552/20 · Road profile
- N B60W 2552/25 · Road altitude
- N B60W 2552/30 · Road curve radius
- N B60W 2552/35 · Road bumpiness, e.g. pavement or potholes
- N B60W 2552/40 · Coefficient of friction
- N B60W 2552/45 · Pedestrian sidewalk
- N B60W 2552/50 · Barriers
- N B60W 2552/53 · Road markings, e.g. lane marker or crosswalk

Q B60W 2554/00 *Input parameters relating to objects*

WARNING

Group [B60W 2554/00](#) is incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

Group [B60W 2554/00](#) is also impacted by reclassification into groups [B60W 2554/20](#), [B60W 2554/40](#), [B60W 2554/402](#), [B60W 2554/4023](#), [B60W 2554/4026](#), [B60W 2554/4029](#), [B60W 2554/404](#), [B60W 2554/4041](#), [B60W 2554/4042](#), [B60W 2554/4043](#), [B60W 2554/4044](#), [B60W 2554/4045](#), [B60W 2554/4046](#), [B60W 2554/4047](#), [B60W 2554/4048](#), [B60W 2554/4049](#), [B60W 2554/406](#), [B60W 2554/408](#), [B60W 2554/60](#), [B60W 2554/80](#), [B60W 2554/801](#), [B60W 2554/802](#), [B60W 2554/803](#), [B60W 2554/804](#), [B60W 2554/805](#), and [B60W 2554/806](#).

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

- N B60W 2554/20 · Static objects

WARNING

Groups [B60W 2554/20](#) - [B60W 2554/60](#) are incomplete pending reclassification of documents from groups [B60K 28/00](#), [B60K 2028/003](#), [B60K 2028/006](#), [B60K 28/02](#), [B60K 28/04](#), [B60K 28/06](#), [B60K 28/063](#), [B60K 28/066](#), [B60K 28/08](#), [B60K 28/10](#), [B60K 28/12](#), [B60K 28/14](#), [B60K 28/16](#), [B60K 28/165](#), [B60W 2554/00](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

- N B60W 2554/40 · Dynamic objects, e.g. animals, windblown objects
- N B60W 2554/402 · · Type
- N B60W 2554/4023 · · · large-size vehicles, e.g. trucks
- N B60W 2554/4026 · · · Cycles
- N B60W 2554/4029 · · · Pedestrians
- N B60W 2554/404 · · Characteristics
- N B60W 2554/4041 · · · Position
- N B60W 2554/4042 · · · Longitudinal speed
- N B60W 2554/4043 · · · Lateral speed
- N B60W 2554/4044 · · · Direction of movement, e.g. backwards
- N B60W 2554/4045 · · · Intention, e.g. lane change or imminent movement
- N B60W 2554/4046 · · · Behavior, e.g. aggressive or erratic
- N B60W 2554/4047 · · · Attentiveness, e.g. distracted by mobile phone
- N B60W 2554/4048 · · · Field of view, e.g. obstructed view or direction of gaze

- N B60W 2554/4049 • • • Relationship among other objects, e.g. converging dynamic objects
- N B60W 2554/406 • • Traffic density
- N B60W 2554/408 • • Traffic behavior, e.g. swarm
- N B60W 2554/60 • Traversable objects, e.g. speed bumps or curbs
- Q B60W 2554/80 • Spatial relation or speed relative to objects

WARNING

Group [B60W 2554/80](#) is incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [B60W 2554/00](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

Group [B60W 2554/80](#) is also impacted by reclassification into groups [B60W 2554/801](#), [B60W 2554/802](#), [B60W 2554/803](#), [B60W 2554/804](#), [B60W 2554/805](#), and [B60W 2554/806](#).

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

- N B60W 2554/801 • • Lateral distance

WARNING

Groups [B60W 2554/801](#) - [B60W 2554/806](#) are incomplete pending reclassification of documents from groups [B60K 28/00](#), [B60K 2028/003](#), [B60K 2028/006](#), [B60K 28/02](#), [B60K 28/04](#), [B60K 28/06](#), [B60K 28/063](#), [B60K 28/066](#), [B60K 28/08](#), [B60K 28/10](#), [B60K 28/12](#), [B60K 28/14](#), [B60K 28/16](#), [B60K 28/165](#), [B60W 2554/00](#), [B60W 2554/80](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

- N B60W 2554/802 • • Longitudinal distance
- N B60W 2554/803 • • Relative lateral speed
- N B60W 2554/804 • • Relative longitudinal speed
- N B60W 2554/805 • • Azimuth angle
- N B60W 2554/806 • • Relative heading

- N B60W 2555/00** **Input parameters relating to exterior conditions, not covered by groups [B60W 2552/00](#), [B60W 2554/00](#)**

WARNING

Groups [B60W 2555/00](#) - [B60W 2555/80](#) are incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

- N B60W 2555/20 • Ambient conditions, e.g. wind or rain
- N B60W 2555/40 • Altitude
- N B60W 2555/60 • Traffic rules, e.g. speed limits or right of way
- N B60W 2555/80 • • Country specific, e.g. driver age limits or right hand drive

- N B60W 2556/00** **Input parameters relating to data**

WARNING

Groups [B60W 2556/00](#) – [B60W 2556/40](#) are incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [B60W 30/12](#), [B60W 30/16](#), [B60W 30/162](#), [B60W 30/165](#), [B60W 30/17](#), [B60W 30/182](#), [B60W 50/082](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

- N B60W 2556/05 · Big data
- N B60W 2556/10 · Historical data
- N B60W 2556/15 · Data age
- N B60W 2556/20 · Data confidence level
- N B60W 2556/25 · Data precision
- N B60W 2556/30 · Data update rate
- N B60W 2556/35 · Data fusion
- N B60W 2556/40 · High definition maps
- N B60W 2556/45 · External transmission of data to or from the vehicle

WARNING

Groups [B60W 2556/45](#) - [B60W 2556/65](#) are incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [B60W 30/12](#), [B60W 30/16](#), [B60W 30/162](#), [B60W 30/165](#), [B60W 30/17](#), [B60W 30/182](#), [B60W 50/082](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

- N B60W 2556/50 · · for navigation systems
- N B60W 2556/55 · · using telemetry
- N B60W 2556/60 · · using satellite communication
- N B60W 2556/65 · · Data transmitted between vehicles

D B60W 2560/00 ~~Other vehicle-related input parameters not covered by groups B60W 2510/00 – B60W 2550/00~~

<administratively transferred to [B60W 2530/00](#) ADD>

- D B60W 2560/02 · Remaining fuel quantity in tank
<administratively transferred to [B60W 2530/209](#) ADD>
- D B60W 2560/04 · Fuel quality, e.g. water content due to age of fuel
<administratively transferred to [B60W 2530/211](#) ADD>
- D B60W 2560/06 · Fuel type
<administratively transferred to [B60W 2530/213](#) ADD>

**D B60W 2600/00 ~~Indexing codes relating to automatic control systems or control processes~~
<administratively transferred to [B60W 2556/00](#) ADD>**

M B60W 2710/00 ~~Output or target parameters relating to a particular sub-units~~

WARNING

Groups [B60W 2710/00](#) - [B60W 2710/305](#) are incomplete pending reclassification of documents from groups [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

- M B60W 2720/00** **Output or target parameters relating to overall vehicle dynamics**
- WARNING**
*Groups [B60W 2720/00](#) - [B60W 2720/406](#) are incomplete pending reclassification of documents from groups [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).
All groups listed in this Warning should be considered in order to perform a complete search.*
- D B60W 2750/00** **Output or target parameters relating to exterior, e.g. between vehicles**
<administratively transferred to [B60W 2754/00](#) ADD>
- D B60W 2750/30
- Distance or speed in relation to other vehicles
<administratively transferred to [B60W 2754/10](#) ADD>
- D B60W 2750/302
- the longitudinal speed of preceding vehicle
<administratively transferred to [B60W 2754/50](#) ADD>
- D B60W 2750/304
- the lateral speed of preceding vehicle
<administratively transferred to [B60W 2754/40](#) ADD>
- D B60W 2750/306
- the position of preceding vehicle
<administratively transferred to [B60W 2754/10](#) ADD>
- D B60W 2750/308
- the distance between vehicles
<administratively transferred to [B60W 2754/30](#) ADD>
- D B60W 2750/40
- Involving external transmission of data to or from the vehicle
<administratively transferred to [B60W 2756/10](#) ADD>
- N B60W 2754/00** **Output or target parameters relating to objects**
- WARNING**
*Group [B60W 2754/00](#) is incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).
All groups listed in this Warning should be considered in order to perform a complete search.*
- Q B60W 2754/10
- Spatial relation or speed relative to objects
- WARNING**
*Groups [B60W 2754/10](#) is incomplete pending reclassification of documents from groups [B60K 28/00](#), [B60K 2028/003](#), [B60K 2028/006](#), [B60K 28/02](#), [B60K 28/04](#), [B60K 28/06](#), [B60K 28/063](#), [B60K 28/066](#), [B60K 28/08](#), [B60K 28/10](#), [B60K 28/12](#), [B60K 28/14](#), [B60K 28/16](#), [B60K 28/165](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).
Group [B60W 2754/10](#) is also impacted by reclassification into groups [B60W 2754/20](#), [B60W 2754/30](#), [B60W 2754/40](#), [B60W 2754/50](#), [B60W 2754/60](#), and [B60W 2754/70](#).
All groups listed in this Warning should be considered in order to perform a complete search.*
- N B60W 2754/20
- Lateral distance
- WARNING**
Groups [B60W 2754/20](#) - [B60W 2754/70](#) are incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [B60W 2754/10](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

- N B60W 2754/30 · · Longitudinal distance
- N B60W 2754/40 · · Relative lateral speed
- N B60W 2754/50 · · Relative longitudinal speed
- N B60W 2754/60 · · Azimuth angle
- N B60W 2754/70 · · Relative heading

N B60W 2756/00 Output or target parameters relating to data

WARNING

Group [B60W 2756/00](#) - [B60W 2756/10](#) are incomplete pending reclassification of documents from groups [B60K 28/00](#) - [B60K 28/165](#), [G05D 1/0061](#), [G05D 1/0088](#), [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

- N B60W 2756/10 · Involving external transmission of data to or from the vehicle

M B60W 2900/00 Indexing codes relating to the purpose of, or problem solved of road vehicle drive control systems not otherwise provided for in groups [B60W 30/00](#)

WARNING

Group [B60W 2900/00](#) is incomplete pending reclassification of documents from groups [G05D 1/021](#), [G05D 1/0214](#), [G05D 1/0221](#), and [G05D 1/0223](#).

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

Project: RP0617 (B62B)

M B62B HAND-PROPELLED VEHICLES, e.g. HAND CARTS; OR PERAMBULATORS; SLEDGES (characterised by animal propulsion [B62C](#); propulsion of sledges by driver or engine [B62M](#))

NOTES

1. In this subclass, the term "hand carts" also embraces hand-propelled wheeled devices in so far as the features thereof are generic to hand carts. This term also embraces pedestrian-controlled power-driven vehicles in so far as the features thereof are generic to hand carts
2. Rollers are taken as being equivalent to wheels

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:

[B62B 3/065](#) covered by [B62B 3/0618](#)

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.

C B62B 15/00 Other sledges; Ice boats or sailing sledges**NOTE**

When classifying in this group, details of sail or rigging arrangements which are suited for marine wind propulsion are also classified in the relevant groups of subclass [B63H](#), e.g. in groups [B63H 8/00](#), [B63H 9/04](#).

WARNING

Groups [B62B 15/00](#) - [B62B 15/005](#) are impacted by reclassification into groups [B63H 8/00](#) - [B63H 8/70](#), [B63H 9/04](#), [B63H 9/06](#), [B63H 9/061](#), [B63H 9/065](#), [B63H 9/067](#) and [B63H 9/068](#) - [B63H 9/072](#).

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

- C B62B 15/001 • {propelled by sails}
- C B62B 15/002 • • {having skis or runners}
- C B62B 15/003 • • {having floats}
- C B62B 15/004 • • {having wheels}
- C B62B 15/005 • • • {the arrangement is similar to a bicycle}

Project: RP0621 (B62D)**U B62D 1/00 Steering controls, i.e. means for initiating a change of direction of the vehicle**

- U 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](#))}
- 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](#))}

U B62D 15/00 Steering not otherwise provided for

- U B62D 15/02 • Steering position indicators {; Steering position determination; Steering aids}
- 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: RP0657 (B62H)**M B62H CYCLE STANDS; SUPPORTS OR HOLDERS FOR PARKING OR STORING CYCLES; APPLIANCES PREVENTING OR INDICATING UNAUTHORIZED USE OR THEFT OF CYCLES; LOCKS INTEGRAL WITH CYCLES; DEVICES FOR LEARNING TO RIDE CYCLES****NOTE**

1. In this subclass, the term "cycles" also embraces scooters.

2. {"Cycles" includes single or plural wheeled straddle type vehicles having a handlebar, self-balancing vehicles and kid scooters.}

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:

[B62H 5/16](#) covered by [B62H 5/14](#)

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.

Project: RP0657 (B62J)

M B62J **CYCLE SADDLES OR SEATS; ACCESSORIES PECULIAR AUXILIARY DEVICES OR ACCESSORIES SPECIALLY ADAPTED TO CYCLES AND NOT OTHERWISE PROVIDED FOR, e.g. ARTICLE CARRIERS; OR CYCLE PROTECTORS**

NOTE

1. In this subclass, the term "cycles" also embraces scooters.

2. {"Cycles" includes single or plural wheeled straddle type vehicles having a handlebar, self-balancing vehicles and kid scooters.}

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.

M B62J 1/00 **Saddles or other seats for cycles; Arrangement thereof; Component parts (arrangements or adaptations of vehicle seats in general B60N)**

M B62J 1/02 • Saddles resiliently mounted on the frame; Equipment therefor, e.g. springs (springs in general F16F)

M B62J 1/18 • Covers for saddles or other seats; Paddings (paddings in general B68G)

C B62J 3/00 **Acoustic signal or alarm devices (acoustic signal or alarm devices in general G08 arrangements indicating unauthorised use of cycles B62H 5/20); Arrangement of such devices on cycles**

NOTE

Group [B62J 3/00](#) is to be understood as restricted to adaptations of signal or lighting devices peculiar to their use on cycles

WARNING

Group [B62J 3/00](#) is impacted by reclassification into groups [B62J 3/02](#), [B62J 3/04](#), [B62J 3/06](#), [B62J 3/08](#), [B62J 3/10](#), [B62J 3/12](#), and [B62J 3/14](#). All groups listed in this Warning should be considered in order to perform a complete search.

N [B62J 3/02](#) • Mechanical devices

WARNING

Groups [B62J 3/02](#) - [B62J 3/08](#) are incomplete pending reclassification of documents from group [B62J 3/00](#). All Groups listed in this Warning should be considered in order to perform a complete search.

N [B62J 3/04](#) • • activated by the rider, e.g. bells or horns

N [B62J 3/06](#) • • activated by rotating parts of cycles, e.g. rattles hitting spokes

N [B62J 3/08](#) • • activated by driving wind, e.g. flutes

N [B62J 3/10](#) • Electrical devices

WARNING

Groups [B62J 3/10](#) - [B62J 3/14](#) are incomplete pending reclassification of documents from group [B62J 3/00](#). All groups listed in this Warning should be considered in order to perform a complete search.

N [B62J 3/12](#) • • Buzzers; Horns with electrically driven airflow

N [B62J 3/14](#) • • indicating functioning of other devices, e.g. acoustic warnings indicating that lights are switched on

- C B62J 6/00** Arrangement of optical signalling or lighting devices on cycles, ~~the mounting or supporting thereof or circuits therefor (optical signalling or lighting devices per se F21 - {, with built-in power supply F21S 9/00, G08, H05});~~ **Mounting or supporting thereof; Circuits therefor**
- WARNING**
Group [B62J 6/00](#) is impacted by reclassification into groups [B62J 6/22](#), [B62J 6/24](#), and [B62J 6/26](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- D B62J 6/001
- {Electrical circuits for optical signals or lighting devices (circuit arrangements for charging batteries from dynamo-electric generators driven at varying speed on vehicle H02J 7/14)}
- <administratively transferred to [B62J 6/01](#)>
- D B62J 6/003
- {using electrical power supply provided by a generator not driven by the cycle motor, e.g. battery}
- <administratively transferred to [B62J 6/015](#)>
- D B62J 6/005
- {Cycle direction indicators}
- <administratively transferred to [B62J 6/05](#)>
- D B62J 2006/006
- {Lighting with automatic activation}
- <administratively transferred to [B62J 6/057](#) INV>
- D B62J 2006/008
- {Lighting controlled by wireless switches}
- <administratively transferred to [B62J 6/165](#) INV>
- N B62J 6/01
- Electric circuits
- N B62J 6/015
- using electrical power not supplied by the cycle motor generator, e.g. using batteries or piezo elements
- C B62J 6/02
- ~~the devices being headlights~~ **Headlights**
- WARNING**
Group [B62J 6/02](#) is impacted by reclassification into groups [B62J 6/022](#), [B62J 6/023](#), [B62J 6/024](#), [B62J 6/025](#), [B62J 6/026](#), [B62J 6/027](#), [B62J 6/028](#), [B62J 6/029](#), and [B62J 6/03](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 6/022
- specially adapted for motorcycles or the like
- WARNING**
Groups [B62J 6/022](#) - [B62J 6/027](#) are incomplete pending reclassification of documents from group [B62J 6/02](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 6/023
- responsive to the lean angle of the cycle, e.g. changing intensity or switching sub-lights when cornering
- N B62J 6/024
- Switching between high and low beam (arrangement of switches [B62J 6/16](#))
- N B62J 6/025
- characterised by vertical adjustment of the light beam direction, e.g. to compensate for heavy loads
- N B62J 6/026
- characterised by the structure, e.g. casings
- N B62J 6/027
- Supporting means therefor, e.g. mounting brackets

- N B62J 6/028
- specially adapted for rider-propelled cycles with or without additional source of power
- WARNING
Groups [B62J 6/028](#) - [B62J 6/03](#) are incomplete pending reclassification of documents from group [B62J 6/02](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 6/029
- characterised by the structure, e.g. casings
- N B62J 6/03
- Supporting means therefor, e.g. mounting brackets
- C B62J 6/04
- ~~the devices being rear~~Rear lights
- WARNING
Group [B62J 6/04](#) is impacted by reclassification into group [B62J 6/045](#).
Groups [B62J 6/04](#) and [B62J 6/045](#) should be considered in order to perform a complete search.
- N B62J 6/045
- indicating braking
- WARNING
Group [B62J 6/045](#) is incomplete pending reclassification of documents from group [B62J 6/04](#).
Groups [B62J 6/04](#) and [B62J 6/045](#) should be considered in order to perform a complete search.
- Q B62J 6/05
- Direction indicators
- WARNING
Group [B62J 6/05](#) is impacted by reclassification into groups [B62J 6/052](#), [B62J 6/053](#), [B62J 6/054](#), [B62J 6/055](#), [B62J 6/056](#) and [B62J 6/057](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 6/052
- Mechanical means, e.g. rotating arms
- WARNING
Groups [B62J 6/052](#) - [B62J 6/054](#) are incomplete pending reclassification of documents from group [B62J 6/05](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 6/053
- driven by ropes or chains
- N B62J 6/054
- operated manually
- N B62J 6/055
- Electrical means, e.g. lamps
- WARNING
Groups [B62J 6/055](#) - [B62J 6/057](#) are incomplete pending reclassification of documents from group [B62J 6/05](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 6/056
- characterised by control means
- N B62J 6/057
- Automatic activation, e.g. by sensors
- M B62J 6/06
- Arrangement of lighting dynamos or drives therefor (~~dynamo construction H02K~~)
- C B62J 6/16
- Arrangement of switches
- WARNING
Group [B62J 6/16](#) is impacted by reclassification into group [B62J 6/165](#).

Groups [B62J 6/16](#) and [B62J 6/165](#) should be considered in order to perform a complete search.

- N [B62J 6/165](#)
- *Wireless switches*
- WARNING
*Group [B62J 6/165](#) is incomplete pending reclassification of documents from group [B62J 6/16](#).
Groups [B62J 6/16](#) and [B62J 6/165](#) should be considered in order to perform a complete search.*
- D [B62J 6/18](#)
- Arrangement of electric cables
<administratively transferred to [B62J 11/19](#)>
- M [B62J 6/20](#)
- ~~{Lighting devices mounted on wheel spokes;}~~ arrangement *Arrangement* of reflectors {, e.g. on the wheel spokes} (pedals incorporating reflectors [B62M 3/12](#)); *Lighting devices mounted on wheel spokes*
- N [B62J 6/22](#)
- *Warning or information lights*
- WARNING
*Group [B62J 6/22](#) - [B62J 6/26](#) are incomplete pending reclassification of documents from group [B62J 6/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.*
- N [B62J 6/24](#)
- *warning or informing the rider, e.g. low fuel warning lights*
- N [B62J 6/26](#)
- *warning or informing other road users, e.g. police flash lights*
- U [B62J 7/00](#)** **Luggage carriers**
- U [B62J 7/02](#)
- characterised by the arrangement thereof on cycles
- M [B62J 7/04](#)
- *arranged* above or behind the rear wheel
- M [B62J 7/06](#)
- *arranged* above the front wheel, e.g. on the ~~handle-bars~~ *handlebars*
- C [B62J 9/00](#)** **~~Panniers, saddle bags, or other containers specially adapted to be attached to cycles~~ *Containers specially adapted for cycles, e.g. panniers or saddle bags***
- WARNING
*Group [B62J 9/00](#) is impacted by reclassification into groups [B62J 9/10](#), [B62J 9/12](#), [B62J 9/14](#), [B62J 9/16](#), [B62J 9/18](#), [B62J 9/23](#), [B62J 9/24](#), [B62J 9/26](#), [B62J 9/27](#), [B62J 9/28](#), and [B62J 9/30](#).
All groups listed in this Warning should be considered in order to perform a complete search.*
- D [B62J 9/001](#)
- ~~{characterised by the location of attachments on cycles (B62J 9/02 takes precedence)}~~
<administratively transferred to [B62J 9/20](#)>
- D [B62J 9/003](#)
- ~~{above the front wheel, e.g. on the handlebars}~~
<administratively transferred to [B62J 9/21](#)>
- D [B62J 9/005](#)
- ~~{between the main frame tubes, e.g. suspended from the cross bar}~~
<administratively transferred to [B62J 9/22](#)>
- D [B62J 9/006](#)
- ~~{on the saddle}~~
<administratively transferred to [B62J 9/26](#)>
- D [B62J 9/008](#)
- ~~{on the petrol tank}~~
<administratively transferred to [B62J 9/25](#)>

- D B62J 9/02
- for tools or spare parts
- <administratively transferred to [B62J 9/40](#)>
- N B62J 9/10
- *integrated with the cycle*
- WARNING
Groups [B62J 9/10](#) - [B62J 9/12](#) are incomplete pending reclassification of documents from groups [B62J 9/00](#), [B62J 9/20](#), [B62J 9/40](#) and [B62J 11/22](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 9/12
- • in the fairing
- N B62J 9/14
- • under the saddle
- WARNING
Group [B62J 9/14](#) is incomplete pending reclassification of documents from groups [B62J 9/00](#), [B62J 9/20](#), [B62J 9/40](#), [B62J 11/22](#) and [B62J 11/24](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 9/16
- • under the floor board
- WARNING
Group [B62J 9/16](#) is incomplete pending reclassification of documents from groups [B62J 9/00](#), [B62J 9/20](#), [B62J 9/40](#) and [B62J 11/22](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 9/18
- • in a dummy fuel tank
- WARNING
Group [B62J 9/18](#) is incomplete pending reclassification of documents from groups [B62J 9/00](#), [B62J 9/20](#), [B62J 9/40](#) and [B62J 11/22](#). All groups listed in this Warning should be considered in order to perform a complete search.
- Q B62J 9/20
- attached to the cycle as accessories
- WARNING
Group [B62J 9/20](#) is incomplete pending reclassification of documents from groups [B62J 9/40](#) and [B62J 11/22](#).
Group [B62J 9/20](#) is also impacted by reclassification into groups [B62J 9/10](#), [B62J 9/12](#), [B62J 9/14](#), [B62J 9/16](#), [B62J 9/18](#), [B62J 9/23](#), [B62J 9/24](#), [B62J 9/25](#), [B62J 9/26](#), [B62J 9/27](#), [B62J 9/28](#), and [B62J 9/30](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 9/21
- • above or alongside the front wheel, e.g. on the handlebars
- WARNING
Group [B62J 9/21](#) is incomplete pending reclassification of documents from groups [B62J 9/40](#) and [B62J 11/22](#).
Groups [B62J 9/40](#), [B62J 11/22](#), and [B62J 9/21](#) should be considered in order to perform a complete search.
- N B62J 9/22
- • between the main frame tubes, e.g. suspended from the top tube
- WARNING
Group [B62J 9/22](#) is incomplete pending reclassification of documents from groups [B62J 9/40](#) and [B62J 11/22](#).

Groups [B62J 9/40](#), [B62J 11/22](#), and [B62J 9/22](#) should be considered in order to perform a complete search.

- N [B62J 9/23](#)
- above or alongside the rear wheel ([B62J 9/26](#) takes precedence)
- WARNING
Group [B62J 9/23](#) is incomplete pending reclassification of documents from groups [B62J 9/00](#), [B62J 9/20](#), [B62J 9/40](#), and [B62J 11/22](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N [B62J 9/24](#)
- on specially adapted racks, e.g. for top or side cases
- WARNING
Group [B62J 9/24](#) is incomplete pending reclassification of documents from groups [B62J 9/00](#), [B62J 9/20](#), [B62J 9/40](#), and [B62J 11/22](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N [B62J 9/25](#)
- to the fuel tank, e.g. magnetic tank bags
- WARNING
Group [B62J 9/25](#) is incomplete pending reclassification of documents from groups [B62J 9/20](#), [B62J 9/40](#) and [B62J 11/22](#). Groups [B62J 9/40](#), [B62J 11/22](#), and [B62J 9/25](#) should be considered in order to perform a complete search.
- N [B62J 9/26](#)
- to the saddle, e.g. saddle bags
- WARNING
Group [B62J 9/26](#) is incomplete pending reclassification of documents from groups [B62J 9/00](#), [B62J 9/20](#), [B62J 9/40](#) and [B62J 11/22](#). Groups [B62J 9/40](#), [B62J 11/22](#), and [B62J 9/26](#) should be considered in order to perform a complete search.
- N [B62J 9/27](#)
- characterised by mounting arrangements, e.g. quick release arrangements
- WARNING
Group [B62J 9/27](#) is incomplete pending reclassification of documents from groups [B62J 9/00](#), [B62J 9/20](#), [B62J 9/40](#), and [B62J 11/22](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N [B62J 9/28](#)
- specially adapted for delivery service, e.g. insulated boxes
- WARNING
Group [B62J 9/28](#) is incomplete pending reclassification of documents from groups [B62J 9/00](#), [B62J 9/20](#), [B62J 9/40](#), and [B62J 11/22](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N [B62J 9/30](#)
- characterised by locking arrangements, e.g. top case locks integrated in a vehicle central locking system
- WARNING
Group [B62J 9/30](#) is incomplete pending reclassification of documents from groups [B62J 9/00](#), [B62J 9/20](#), [B62J 9/40](#), and [B62J 11/22](#). All groups listed in this Warning should be considered in order to perform a complete search.

- Q B62J 9/40
- specially adapted for tools or spare parts
- WARNING
Group [B62J 9/40](#) is incomplete pending reclassification of documents from group [B62J 11/22](#).
Group [B62J 9/40](#) is also impacted by reclassification into groups [B62J 9/10](#), [B62J 9/12](#), [B62J 9/14](#), [B62J 9/16](#), [B62J 9/18](#), [B62J 9/20](#), [B62J 9/21](#), [B62J 9/22](#), [B62J 9/23](#), [B62J 9/24](#), [B62J 9/25](#), [B62J 9/26](#), [B62J 9/27](#), [B62J 9/28](#), and [B62J 9/30](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- C B62J 11/00
- Supporting devices for attaching articles of definite shape arrangements specially adapted for fastening specific devices to cycles, e.g. for maps, umbrellas, bottles supports for attaching maps**
- WARNING
Group [B62J 11/00](#) is impacted by reclassification into groups [B62J 11/04](#), [B62J 11/05](#), [B62J 11/10](#), [B62J 11/13](#), [B62J 11/16](#), [B62J 11/19](#), [B62J 11/20](#), [B62J 11/22](#), [B62J 11/26](#), and [B62J 40/10](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- D B62J 11/005
- {for helmets (helmets with anti-theft arrangements A42B 3/0413)}
- <administratively transferred to [B62J 11/24](#)>
- U B62J 11/02
- for pumps
- N B62J 11/04
- for bottles
- WARNING
Group [B62J 11/04](#) is incomplete pending reclassification of documents from group [B62J 11/00](#).
Groups [B62J 11/00](#) and [B62J 11/04](#) should be considered in order to perform a complete search.
- N B62J 11/05
- for sport articles, e.g. balls or golf clubs
- WARNING
Group [B62J 11/05](#) is incomplete pending reclassification of documents from group [B62J 11/00](#).
Groups [B62J 11/00](#) and [B62J 11/05](#) should be considered in order to perform a complete search.
- N B62J 11/10
- for mechanical cables, hoses, pipes or electric wires, e.g. cable guides (mounting or guiding of cables on rear derailleur [B62M 9/127](#); mounting or guiding of cables on front derailleur [B62M 9/137](#))
- WARNING
Group [B62J 11/10](#) is incomplete pending reclassification of documents from groups [B62J 11/00](#) and [B62J 99/00](#).
Groups [B62J 11/00](#), [B62J 99/00](#), and [B62J 11/10](#) should be considered in order to perform a complete search.
- N B62J 11/13
- specially adapted for mechanical cables
- WARNING
Group [B62J 11/13](#) is incomplete pending reclassification of documents from group [B62J 11/00](#).
Groups [B62J 11/00](#) and [B62J 11/13](#) should be considered in order to perform a complete search.

- N B62J 11/16
- specially adapted for hoses or pipes, e.g. hydraulic, pneumatic, coolant or air filter hoses (air filter hoses [B62J 40/10](#))
- WARNING
Group [B62J 11/16](#) is incomplete pending reclassification of documents from groups [B62J 11/00](#) and [B62J 99/00](#).
Groups [B62J 11/00](#), [B62J 99/00](#), and [B62J 11/16](#) should be considered in order to perform a complete search.
- N B62J 11/19
- specially adapted for electric wires
- WARNING
Group [B62J 11/19](#) is incomplete pending reclassification of documents from group [B62J 11/00](#).
Groups [B62J 11/00](#) and [B62J 11/19](#) should be considered in order to perform a complete search.
- N B62J 11/20
- Harnesses; Arms, e.g. for dog leads
- WARNING
Group [B62J 11/20](#) is incomplete pending reclassification of documents from group [B62J 11/00](#).
Groups [B62J 11/00](#) and [B62J 11/20](#) should be considered in order to perform a complete search.
- Q B62J 11/22
- specially adapted for tools (containers for tools [B62J 9/40](#))
- WARNING
Group [B62J 11/22](#) is incomplete pending reclassification of documents from group [B62J 11/00](#).
Group [B62J 11/22](#) is also impacted by reclassification into groups [B62J 9/10](#), [B62J 9/12](#), [B62J 9/14](#), [B62J 9/16](#), [B62J 9/18](#), [B62J 9/20](#), [B62J 9/21](#), [B62J 9/22](#), [B62J 9/23](#), [B62J 9/24](#), [B62J 9/25](#), [B62J 9/26](#), [B62J 9/27](#), [B62J 9/28](#), [B62J 9/30](#), and [B62J 9/40](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- Q B62J 11/24
- specially adapted for helmets (containers under the saddle for helmets [B62J 9/14](#))
- WARNING
Group [B62J 11/24](#) is impacted by reclassification into group [B62J 9/14](#).
Groups [B62J 11/24](#) and [B62J 9/14](#) should be considered in order to perform a complete search.
- N B62J 11/26
- specially adapted for umbrellas
- WARNING
Group [B62J 11/26](#) is incomplete pending reclassification of documents from groups [B62J 11/00](#) and [B62J 99/00](#).
Groups [B62J 11/00](#), [B62J 99/00](#), and [B62J 11/26](#) should be considered in order to perform a complete search.
- C B62J 17/00
- Weather guards for riders; Fairings or **streamlining stream-lining** parts not otherwise provided for (~~protective garments A41D 13/00; crash helmets A42B 3/00; hoods or fairings for sidecars B62K~~)
- WARNING
Group [B62J 17/00](#) is impacted by reclassification into group [B62J 17/10](#).
Groups [B62J 17/00](#) and [B62J 17/10](#) should be considered in order to perform a complete search.

- U B62J 17/08 · Hoods protecting the rider
- D B62J 2017/083 · {Frame mounted covers attaching to front and rear specially adapted for bicycles}
<administratively transferred to [B62J 17/083](#) INV>
- N B62J 17/083 · · *Frame mounted hoods specially adapted for rider propelled cycles*
- D B62J 2017/086 · {Frame mounted covers attaching to front and rear specially adapted for motorcycles}
<administratively transferred to [B62J 17/086](#) INV>
- N B62J 17/086 · · *Frame mounted hoods specially adapted for motorcycles or the like*
- N B62J 17/10 · Ventilation or air guiding devices forming part of fairings
- WARNING**
Group [B62J 17/10](#) is incomplete pending reclassification of documents from group [B62J 17/00](#).
Groups [B62J 17/00](#) and [B62J 17/10](#) should be considered in order to perform a complete search.
- M B62J 19/00 **Parking covers for cycles (~~convertible into protective garments for the rider A41D 15/04; convertible into camping articles A45F 4/00; for vehicles in general B60J 11/00~~)**
- M B62J 21/00 **Dress protectors, e.g. clips attached to the cycle (~~loose clips for trousers or skirts A41F 17/02~~)**
- C B62J 25/00 **Foot-rests; ~~Rigidly-mounted knee grips, e.g. on petrol tank~~*Knee grips; Passenger hand-grips***
- WARNING**
*Group [B62J 25/00](#) is impacted by reclassification into groups [B62J 25/02](#), [B62J 25/04](#), [B62J 25/06](#), and [B62J 25/08](#).
All groups listed in this Warning should be considered in order to perform a complete search.*
- N B62J 25/02 · Knee grips, e.g. on fuel tanks
- WARNING**
Group [B62J 25/02](#) is incomplete pending reclassification of documents from group [B62J 25/00](#).
Groups [B62J 25/00](#) and [B62J 25/02](#) should be considered in order to perform a complete search.
- N B62J 25/04 · Floor-type foot rests
- WARNING**
Group [B62J 25/04](#) is incomplete pending reclassification of documents from group [B62J 25/00](#).
Groups [B62J 25/00](#) and [B62J 25/04](#) should be considered in order to perform a complete search.
- N B62J 25/06 · Bar-type foot rests
- WARNING**
Group [B62J 25/06](#) is incomplete pending reclassification of documents from group [B62J 25/00](#).
Groups [B62J 25/00](#) and [B62J 25/06](#) should be considered in order to perform a complete search.

- N B62J 25/08
- Passengers hand-grips
- WARNING
Group [B62J 25/08](#) is incomplete pending reclassification of documents from groups [B62J 25/00](#) and [B62J 99/00](#).
Groups [B62J 25/00](#), [B62J 99/00](#), and [B62J 25/08](#) should be considered in order to perform a complete search.
- N B62J 25/10
- {Pillion grab handles attached to riders clothing}
- C B62J 27/00
- Safety equipment, e.g. crash bars (safety belts in general A62B 35/00)**
- WARNING
Group [B62J 27/00](#) is impacted by reclassification into groups [B62J 27/10](#), [B62J 27/20](#), and [B62J 27/30](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- D B62J 2027/005
- {Pillion grab handles attached to riders clothing}
- <administratively transferred to [B62J 25/10](#) INV>
- N B62J 27/10
- Safety belts specially adapted for motorcycles or the like
- WARNING
Group [B62J 27/10](#) is incomplete pending reclassification of documents from group [B62J 27/00](#).
Groups [B62J 27/00](#) and [B62J 27/10](#) should be considered in order to perform a complete search.
- N B62J 27/20
- Airbags specially adapted for motorcycles or the like
- WARNING
Group [B62J 27/20](#) is incomplete pending reclassification of documents from group [B62J 27/00](#).
Groups [B62J 27/00](#) and [B62J 27/20](#) should be considered in order to perform a complete search.
- N B62J 27/30
- Crash bars; Crash bungs
- WARNING
Group [B62J 27/30](#) is incomplete pending reclassification of documents from group [B62J 27/00](#).
Groups [B62J 27/00](#) and [B62J 27/30](#) should be considered in order to perform a complete search.
- M B62J 29/00
- Adaptations or arrangements of mirrors for use on cycles (for vehicles in general B60R)**
- M B62J 33/00
- Installations peculiar to cycles Arrangements for warming riders specially adapted for cycles (for vehicles in general B60H)**
- N B62J 40/00
- Arrangements of air cleaners specially adapted for cycles**
- WARNING
Group [B62J 40/00](#) is incomplete pending reclassification of documents from group [B62J 99/00](#).
Groups [B62J 99/00](#) and [B62J 40/00](#) should be considered in order to perform a complete search.

- N B62J 40/10
- characterised by air duct arrangements
- WARNING
Group [B62J 40/10](#) is incomplete pending reclassification of documents from groups [B62J 11/00](#) and [B62J 99/00](#).
Groups [B62J 11/00](#), [B62J 99/00](#), and [B62J 40/10](#) should be considered in order to perform a complete search.
- N B62J 41/00
- Arrangements of radiators, coolant hoses or pipes on cycles**
- WARNING
Group [B62J 41/00](#) is incomplete pending reclassification of documents from group [B62J 99/00](#).
Groups [B62J 99/00](#) and [B62J 41/00](#) should be considered in order to perform a complete search.
- Q B62J 43/00
- Arrangements of batteries**
- WARNING
Group [B62J 43/00](#) is incomplete pending reclassification of documents from group [B62J 99/00](#).
Group [B62J 43/00](#) is also impacted by reclassification into groups [B62J 43/10](#), [B62J 43/13](#), [B62J 43/16](#), [B62J 43/20](#), [B62J 43/23](#), [B62J 43/26](#), [B62J 43/28](#), and [B62J 43/30](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 43/10
- for propulsion
- WARNING
Groups [B62J 43/10](#) - [B62J 43/16](#) are incomplete pending reclassification of documents from groups [B62J 43/00](#) and [B62J 99/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 43/13
- • on rider-propelled cycles with additional electric propulsion
- N B62J 43/16
- • on motorcycles or the like
- N B62J 43/20
- characterised by the mounting
- WARNING
Groups [B62J 43/20](#) - [B62J 43/28](#) are incomplete pending reclassification of documents from groups [B62J 43/00](#) and [B62J 99/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 43/23
- • dismantled when charging
- N B62J 43/26
- • carried on a trailer
- N B62J 43/28
- • hidden within the cycle frame
- N B62J 43/30
- for providing power to equipment other than for propulsion
- WARNING
Group [B62J 43/30](#) is incomplete pending reclassification of documents from groups [B62J 43/00](#) and [B62J 99/00](#).
Groups [B62J 43/00](#), [B62J 99/00](#), and [B62J 43/30](#) should be considered in order to perform a complete search.
- N B62J 45/00
- Electrical equipment arrangements specially adapted for use as accessories on cycles, not otherwise provided for**

- N B62J 45/10 · Arrangement of audio equipment; Supports therefor
- Q B62J 45/20 · Cycle computers as cycle accessories
WARNING
 Group [B62J 45/20](#) is impacted by reclassification into groups [B62J 50/20](#), [B62J 50/21](#), [B62J 50/22](#), [B62J 50/225](#), [B62J 50/23](#), [B62J 50/25](#), [B62J 50/26](#), and [B62J 50/28](#).
 All groups listed in this Warning should be considered in order to perform a complete search.
- Q B62J 45/40 · Sensor arrangements (sensors for control of electrically assisted cycles [B62M 6/50](#)); Mounting thereof
WARNING
 Group [B62J 45/40](#) is impacted by reclassification into groups [B62J 45/41](#) - [B62J 45/423](#).
 All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 45/41 · · characterised by the type of sensor
WARNING
 Groups [B62J 45/41](#) - [B62J 45/416](#) are incomplete pending reclassification of documents from group [B62J 45/40](#).
 All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 45/411 · · · Torque sensors
- N B62J 45/412 · · · Speed sensors
- N B62J 45/413 · · · Rotation sensors
- N B62J 45/414 · · · Acceleration sensors
- N B62J 45/415 · · · Inclination sensors
- N B62J 45/4151 · · · · {for sensing lateral inclination of the cycle}
- N B62J 45/4152 · · · · {for sensing longitudinal inclination of the cycle}
- N B62J 45/416 · · · Physiological sensors, e.g. heart rate sensors
- N B62J 45/42 · · characterised by mounting
WARNING
 Groups [B62J 45/42](#) - [B62J 45/423](#) are incomplete pending reclassification of documents from group [B62J 45/40](#).
 All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 45/421 · · · at the pedal crank
- N B62J 45/422 · · · on the handlebar
- N B62J 45/423 · · · on or besides the wheel
- N B62J 50/00 **Arrangements specially adapted for use on cycles not provided for in main groups [B62J 1/00](#) - [B62J 45/00](#)****
- WARNING
 Group [B62J 50/00](#) is incomplete pending reclassification of documents from group [B62J 99/00](#).
 Groups [B62J 99/00](#) and [B62J 50/00](#) should be considered in order to perform a complete search.
- N B62J 50/10 · Means for carrying cycles by hand

- N B62J 50/15
- Cleaning devices
- WARNING
Group [B62J 50/15](#) is incomplete pending reclassification of documents from group [B62J 99/00](#).
Groups [B62J 99/00](#) and [B62J 50/15](#) should be considered in order to perform a complete search.
- N B62J 50/16
- • for cleaning parts of the cycle, e.g. windscreen wipers
- N B62J 50/17
- • for using the cycle as a cleaning device, e.g. floor sweeping
- Q B62J 50/20
- Information-providing devices
- WARNING
Group [B62J 50/20](#) is incomplete pending reclassification of documents from group [B62J 45/20](#).
Group [B62J 50/20](#) is also impacted by reclassification into groups [B62J 50/21](#), [B62J 50/22](#), [B62J 50/23](#), and [B62J 50/28](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B62J 50/21
- • intended to provide information to rider or passenger
- WARNING
Group [B62J 50/21](#) is incomplete pending reclassification of documents from groups [B62J 45/20](#) and [B62J 50/20](#).
Groups [B62J 45/20](#), [B62J 50/20](#), and [B62J 50/21](#) should be considered in order to perform a complete search.
- N B62J 50/22
- • • electronic, e.g. displays
- WARNING
Group [B62J 50/22](#) is incomplete pending reclassification of documents from groups [B62J 45/20](#) and [B62J 50/20](#).
Groups [B62J 45/20](#), [B62J 50/20](#), and [B62J 50/22](#) should be considered in order to perform a complete search.
- N B62J 50/225
- • • {Mounting arrangements therefor}
- WARNING
Group [B62J 50/225](#) is incomplete pending reclassification of documents from group [B62J 45/20](#).
Groups [B62J 45/20](#) and [B62J 50/225](#) should be considered in order to perform a complete search.
- N B62J 50/23
- • • mechanical, e.g. cable-driven trip meters
- WARNING
Group [B62J 50/23](#) is incomplete pending reclassification of documents from groups [B62J 45/20](#) and [B62J 50/20](#).
Groups [B62J 45/20](#), [B62J 50/20](#), and [B62J 50/23](#) should be considered in order to perform a complete search.
- Q B62J 50/25
- • intended to provide information to other road users, e.g. signs or flags
- WARNING
Group [B62J 50/25](#) is incomplete pending reclassification of documents from group [B62J 45/20](#).
Group [B62J 50/25](#) is also impacted by reclassification into group [B62J 50/26](#).
Groups [B62J 45/20](#), [B62J 50/25](#), and [B62J 50/26](#) should be considered in order to perform a complete search.

- N B62J 50/26
- • • Number plates
- WARNING
Group [B62J 50/26](#) is incomplete pending reclassification of documents from groups [B62J 45/20](#) and [B62J 50/25](#).
Groups [B62J 45/20](#), [B62J 50/25](#), and [B62J 50/26](#) should be considered in order to perform a complete search.
- N B62J 50/28
- • characterised by quick release, e.g. snap on connectors
- WARNING
Group [B62J 50/28](#) is incomplete pending reclassification of documents from groups [B62J 45/20](#) and [B62J 50/20](#).
Groups [B62J 45/20](#), [B62J 50/20](#), and [B62J 50/28](#) should be considered in order to perform a complete search.
- N B62J 50/30
- Means for ventilation within devices provided on the cycle, e.g. ventilation means in a battery container
- WARNING
Group [B62J 50/30](#) is incomplete pending reclassification of documents from group [B62J 99/00](#).
Groups [B62J 99/00](#) and [B62J 50/30](#) should be considered in order to perform a complete search.
- N B62J 50/40
- Ornaments or toys
- C B62J 99/00** **Subject matter not provided for in other groups of this subclass**
- NOTE**
{In this group, it is obligatory to add the indexing codes of B62J 2099/0006 -B62J 2099/0093.}
- WARNING
Group [B62J 99/00](#) is impacted by reclassification into groups [B62J 11/10](#), [B62J 11/16](#), [B62J 11/26](#), [B62J 25/08](#), [B62J 40/00](#), [B62J 40/10](#), [B62J 41/00](#), [B62J 43/00](#), [B62J 43/10](#), [B62J 43/13](#), [B62J 43/16](#), [B62J 43/20](#), [B62J 43/23](#), [B62J 43/26](#), [B62J 43/28](#), [B62J 43/30](#), [B62J 50/00](#), [B62J 50/15](#), and [B62J 50/30](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- D B62J 2099/0006
- {Audio-electrical equipments specially adapted for use on cycles, e.g. radios or mobile phones}
- <administratively transferred to [B62J 45/10](#) INV>
- D B62J 2099/0013
- {Cycle computers}
- <administratively transferred to [B62J 45/20](#) INV>
- D B62J 2099/002
- {Sensors specially adapted for cycles (for control of electrically propelled cycles B62M 6/50); Mounting arrangements thereof}
- <administratively transferred to [B62J 45/40](#) INV>
- D B62J 2099/0026
- {Displays specially adapted for cycles (for cycle computers B62J 2099/0013; arrangement or adaptations of instruments in vehicles B60K 35/00)}
- <administratively transferred to [B62J 50/20](#) INV>
- D B62J 2099/0033
- • {Mounting arrangements therefor}
- <administratively transferred to [B62J 50/225](#) INV>
- D B62J 2099/004
- {Electrical equipment specially adapted for use on a cycle, not provided for in groups B62J 2099/0006 - B62J 2099/0026, e.g. solar cells}
- <administratively transferred to [B62J 45/00](#) INV>

- D B62J 2099/0046 · {Arrangements for guiding control cables}
<administratively transferred to [B62J 11/13](#) INV>
- D B62J 2099/0053 · {Handles for carrying cycles}
<administratively transferred to [B62J 50/10](#) INV>
- D B62J 2099/006 · {Cleaning devices for the ground, e.g. ground-sweeping attachments}
<administratively transferred to [B62J 50/17](#) INV>
- D B62J 2099/0066 · {Cleaning devices for cycles or parts thereof, e.g. windscreen-wipers}
<administratively transferred to [B62J 50/16](#) INV>
- D B62J 2099/0073 · {Connecting arms or harnesses, e.g. between cycle and a rider or between cycle and a dog}
<administratively transferred to [B62J 11/20](#) INV>
- D B62J 2099/008 · {Indication devices specially adapted for cycles, e.g. signs or flags}
<administratively transferred to [B62J 50/25](#) INV>
- D B62J 2099/0086 · {Ornaments or toys specially adapted for fixing on cycles}
<administratively transferred to [B62J 50/40](#) INV>
- D B62J 2099/0093 · {Tools specially adapted to be carried on cycles}
<administratively transferred to [B62J 11/22](#) INV>

Project: RP0657 (B62K)

M B62K CYCLES; CYCLE FRAMES; CYCLE STEERING DEVICES; RIDER-OPERATED TERMINAL CONTROLS SPECIALLY ADAPTED FOR CYCLES; CYCLE AXLE SUSPENSIONS; CYCLE SIDE-CARS, FORECARS, OR THE LIKE

NOTE

1. In this subclass, each of the main groups [B62K 7/00](#) - [B62K 15/00](#) takes precedence over all the preceding main groups, e.g. a child's bicycle is classified in [B62K 9/00](#) and not in [B62K 3/00](#).

2. {"Cycles" includes a single or plural wheeled straddle type vehicles having a handlebar, self-balancing vehicles and kid scooters}

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.

- D B62K 2207/00 Sensors adapted for use on cycles, not otherwise provided for**
<administratively transferred to [B62J 45/40](#) INV>
- D B62K 2207/02 · for sensing lateral inclination of the cycle
<administratively transferred to [B62J 45/4151](#) INV>
- D B62K 2207/04 · for sensing longitudinal inclination of the cycle
<administratively transferred to [B62J 45/4152](#) INV>
- D B62K 2208/00 Arrangements of batteries on cycles, when not used for a cycle with auxiliary electric motor as provided for in B62M 6/90; Batteries specially adapted therefor**
<administratively transferred to [B62J 43/00](#) INV>

Project: RP0617 (B63B)

U B63B 1/00 Hydrodynamic or hydrostatic features of hulls or of hydrofoils (hulls peculiar to submarines [B63B 3/13](#); keels [B63B 3/38](#))

- U B63B 1/16 · deriving additional lift from hydrodynamic forces
- C B63B 1/24 · · of hydrofoil type *{{controlling attitude or depth of underwater vessels by hydrofoils or the like B63G 8/18 hydrofoils for water sports boards B63B 32/60; hydrofoils for other water sports body supporting devices B63B 34/40}}*
- WARNING**
*Groups B63B 1/24 - B63B 1/30 are impacted by reclassification into groups B63B 32/60, B63B 32/62, B63B 32/64, B63B 32/66, B63B 32/68, B63B 34/40, B63B 34/45, and B63H 8/24.
 All groups listed in this Warning should be considered in order to perform a complete search.*
- C B63B 1/242 · · · {Mounting, suspension of the foils (B63B 1/30 takes precedence)}
- C B63B 1/244 · · · {Safety systems, e.g. when striking an object}
- C B63B 1/246 · · · {Arrangements of propulsion elements *(propulsion elements in general B63H 5/00, propulsion by jets in general B63H 11/00)}*
- C B63B 1/248 · · · {Shape, hydrodynamic features, construction of the foil}
- C B63B 1/26 · · · having more than one hydrofoil (B63B 1/28 takes precedence)
- C B63B 1/28 · · · with movable hydrofoils
- C B63B 2001/281 · · · · {movable about an axis substantially parallel to the flow direction}
- C B63B 1/283 · · · · {movable around a vertical axis, e.g. for steering}
- C B63B 1/285 · · · · {changing the angle of attack or the lift of the foil}
- C B63B 1/286 · · · · · {using flaps}
- C B63B 1/288 · · · · · {using gas exhaust through the foil}
- C B63B 1/30 · · · · retracting or folding *{{B63B 1/244 takes precedence}}*
- U B63B 5/00** **Hulls characterised by their construction of non-metallic material**
- B63B 5/24 · made predominantly of plastics *{{surf boards B63B 35/7909 B63B 32/57}}*
- C B63B 7/00** **Collapsible, foldable, inflatable or like vessels *(collapsible, foldable or inflatable water sports boards B63B 32/53; collapsible, foldable or inflatable canoes, kayaks or the like B63B 34/23; foldable pontoons B63B 35/36)***
- WARNING**
*Groups B63B 7/00 - B63B 2007/065 are impacted by reclassification into groups B63B 32/53 and B63B 34/23.
 All groups listed in this Warning should be considered in order to perform a complete search.*
- C B63B 2007/003 · {with foldable members}
- C B63B 2007/006 · {comprising nestable elements}
- C B63B 7/02 · comprising only rigid parts
- C B63B 7/04 · · sectionalised *(sectionalised water sports boards B63B 32/53; sectionalised canoes, kayaks or the like B63B 34/23)*
- C B63B 7/06 · having parts of non-rigid material
- C B63B 2007/065 · · {comprising flexible pockets for receiving removable floaters}
- C B63B 7/08 · · *inflatable Inflatable (inflatable water sports boards B63B 32/51; inflatable canoes, kayaks or the like being inflatable or having inflatable parts B63B 34/22)*
- WARNING**
Groups B63B 7/08 - B63B 7/082 are impacted by reclassification into groups B63B 32/51 and B63B 34/22.

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

- C B63B 7/082
 - • • {having parts of rigid material}
- C B63B 7/085
 - • • {Accessories or mountings specially adapted therefor, e.g. seats, sailing kits, motor mountings}

WARNING

Groups [B63B 7/085](#) – [B63B 7/087](#) are impacted by reclassification into groups [B63B 32/30](#), [B63B 32/51](#), [B63B 32/77](#), [B63B 32/80](#), [B63B 32/83](#), [B63B 32/87](#), [B63B 34/22](#), [B63B 34/26](#), [B63B 34/30](#), [B63B 34/45](#), [B63B 34/565](#), [B63B 32/70](#), [B63H 8/23](#), [B63H 8/25](#), [B63H 8/50](#), [B63H 8/52](#), [B63H 8/54](#), [B63H 8/56](#), [B63H 8/58](#) and [B63H 8/70](#).

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

- C B63B 7/087
 - • • • {Motor mountings, e.g. transom panels for outboard motors}

- M B63B 21/00 **Tying-up; Shifting, towing, or pushing equipment; Anchoring (~~of buoys B63B 22/04~~); dynamic anchoring B63H 25/00; equipment for shipping on coasts, in harbours or on other fixed marine structures, e.g. for landing purposes, E02B)**

WARNING

Group [B63H 21/00](#) is no longer used for classification of adaptations of ropes, hawsers, or the like, or parts thereof. Documents are in the process of being reorganised to [B63B 21/20](#)

- M B63B 21/56
 - Towing or pushing equipment (tugs [B63B 35/66](#) ~~;~~ ~~towing devices for waterskis or watersledges B63B 35/815~~); *towing arrangements for water sports use [B63B 34/60](#)*)

- Q **B63B 32/00** **Water sports boards; Accessories therefor**

NOTE

This group *covers*: floating structures having a substantially thin body with respect to the width, usually meant to carry one user, which are specially adapted for water sports or leisure, e.g. surfboards, windsurfing boards, wakeboards, stand-up paddle [SUP] boards or water skis; accessories for such structures.

WARNING

Group [B63B 32/00](#) is incomplete pending reclassification of documents from group [B63B 35/00](#).

Group [B63B 32/00](#) is also impacted by reclassification into groups [A63B 69/0093](#), [B63B 32/10](#), [B63B 32/20](#), [B63B 32/22](#), [B63B 32/30](#), [B63B 32/35](#), [B63B 32/40](#), [B63B 32/45](#), [B63B 32/47](#), [B63B 32/50](#), [B63B 32/51](#), [B63B 32/53](#), [B63B 32/55](#), [B63B 32/56](#), [B63B 32/57](#), [B63B 32/59](#), [B63B 32/60](#), [B63B 32/62](#), [B63B 32/64](#), [B63B 32/66](#), [B63B 32/68](#), [B63B 32/70](#), [B63B 32/73](#), [B63B 32/77](#), [B63B 32/80](#), [B63B 32/83](#), [B63B 32/87](#), [B63B 34/30](#), [B63B 34/45](#), [B63B 34/50](#), [B63B 34/52](#), [B63B 34/54](#), [B63B 34/56](#), [B63B 34/565](#), [B63B 34/70](#), [B63B 34/75](#), [B63H 8/23](#), [B63H 8/24](#), [B63H 8/25](#), [B63H 8/50](#), [B63H 8/52](#), [B63H 8/54](#), [B63H 8/56](#), [B63H 8/58](#), [B63H 8/70](#) and [E04H 4/0006](#).

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

- N B63B 32/10
 - Motor-propelled water sports boards (power-driven personal watercraft [B63B 34/10](#))

WARNING

Group [B63B 32/10](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#) and [B63B 35/00](#).

Groups [B63B 32/00](#), [B63B 35/00](#), [B63B 32/10](#) should be considered in order to perform a complete search.

Q B63B 32/20

- Boards specially adapted for use in a prone position, e.g. wild-water sledges (towed water sledges [B63B 34/54](#))

WARNING

Group [B63B 32/20](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#) and [B63B 35/00](#).

Group [B63B 32/20](#) is also impacted by reclassification into groups [A63B 69/0093](#), [B63B 32/22](#), [B63B 32/30](#), [B63B 32/40](#), [B63B 32/50](#), [B63B 32/57](#), [B63B 32/59](#), [B63B 34/50](#), [B63B 34/52](#), [B63B 34/54](#), [B63B 34/56](#), [B63B 34/70](#), [B63B 34/75](#) and [E04H 4/0006](#).

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

N B63B 32/22

- Bodyboards for surfing; Accessories specially adapted therefor

WARNING

Group [B63B 32/22](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#) and [B63B 35/00](#).

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

N B63B 32/30

- Water skis fastened to the user's feet; Accessories specially adapted therefor

WARNING

Group [B63B 32/30](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/20](#), [B63B 32/70](#) and [B63B 35/00](#).

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

Q B63B 32/35

- {Bindings}

WARNING

Group [B63B 32/35](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#) and [B63B 35/00](#).

Group [B63B 32/35](#) is also impacted by reclassification into group [B63B 32/47](#).

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

N B63B 32/40

- Twintip boards; Wakeboards; Surfboards; Windsurfing boards; Paddle boards, e.g. SUP boards; Accessories specially adapted therefor

WARNING

Group [B63B 32/40](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 32/50](#) and [B63B 35/00](#).

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

Q B63B 32/45

- {Fixation means for feet of the board user, e.g. footstraps}

WARNING

Group [B63B 32/45](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#) and [B63B 35/00](#).

Group [B63B 32/45](#) is also impacted by reclassification into groups [B63B 32/47](#) and [B63B 32/77](#).

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

- N B63B 32/47
- • {Bindings, e.g. wakeboard bindings}
- WARNING
Group [B63B 32/47](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/35](#), [B63B 32/45](#) and [B63B 35/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- Q B63B 32/50
- Boards characterised by their constructional features
- WARNING
Group [B63B 32/50](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#) and [B63B 35/00](#).
Group [B63B 32/50](#) is also impacted by reclassification into groups [B63B 32/40](#), [B63B 32/57](#) and [B63B 32/59](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B63B 32/51
- • Inflatable boards, e.g. drop-stitch inflatable boards
- WARNING
Group [B63B 32/51](#) is incomplete pending reclassification of documents from groups [B63B 7/08](#), [B63B 7/082](#), [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#) and [B63B 35/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B63B 32/53
- • Sectionalised boards, e.g. modular, dismountable or foldable boards
- WARNING
Group [B63B 32/53](#) is incomplete pending reclassification of documents from groups [B63B 7/00](#), [B63B 2007/003](#), [B63B 2007/006](#), [B63B 7/02](#), [B63B 7/04](#), [B63B 7/06](#), [B63B 2007/065](#), [B63B 32/00](#) and [B63B 35/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B63B 32/55
- • Multihull boards, e.g. of catamaran type
- WARNING
Group [B63B 32/55](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#) and [B63B 35/00](#).
Groups [B63B 32/00](#), [B63B 35/00](#) and [B63B 32/55](#) should be considered in order to perform a complete search.
- N B63B 32/56
- • Boards convertible into vessels or other types of water sports boards, e.g. into sailboats, canoes or water-cycles
- WARNING
Group [B63B 32/56](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#) and [B63B 35/00](#).
Groups [B63B 32/00](#), [B63B 35/00](#) and [B63B 32/56](#) should be considered in order to perform a complete search.
- N B63B 32/57
- Boards characterised by the material, e.g. laminated materials
- WARNING
Group [B63B 32/57](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 32/50](#) and [B63B 35/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.

- N B63B 32/59
- Boards characterised by their manufacturing process, e.g. moulded or 3D printed
- WARNING
Group [B63B 32/59](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 32/50](#) and [B63B 35/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- Q B63B 32/60
- Board appendages, e.g. fins, hydrofoils or centre boards
- WARNING
Group [B63B 32/60](#) is incomplete pending reclassification of documents from groups [B63B 1/24](#) - [B63B 1/30](#), [B63B 32/00](#) and [B63B 35/00](#).
Group [B63B 32/60](#) is also impacted by reclassification into groups [B63B 32/62](#) and [B63B 32/64](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B63B 32/62
- • characterised by the material, e.g. laminated materials; characterised by their manufacturing process
- WARNING
Group [B63B 32/62](#) is incomplete pending reclassification of documents from groups [B63B 1/24](#) - [B63B 1/30](#), [B63B 32/00](#), [B63B 32/60](#) and [B63B 35/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B63B 32/64
- • Adjustable, e.g. by adding sections, by removing sections or by changing orientation or profile
- WARNING
Group [B63B 32/64](#) is incomplete pending reclassification of documents from groups [B63B 1/24](#) - [B63B 1/30](#), [B63B 32/00](#), [B63B 32/60](#) and [B63B 35/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B63B 32/66
- • Arrangements for fixation to the board, e.g. fin boxes or foil boxes
- WARNING
Group [B63B 32/66](#) is incomplete pending reclassification of documents from groups [B63B 1/24](#) - [B63B 1/30](#), [B63B 32/00](#), [B63B 35/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- Q B63B 32/68
- Mast foot attachments, e.g. mast foot rails
- WARNING
Group [B63B 32/68](#) is incomplete pending reclassification of documents from groups [B63B 1/24](#) - [B63B 1/30](#), [B63B 32/00](#) and [B63B 35/00](#).
Group [B63B 32/68](#) is also impacted by reclassification into group [B63H 8/24](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- Q B63B 32/70
- Accessories not specially adapted for a particular type of board, e.g. paddings or buoyancy elements
- WARNING
Group [B63B 32/70](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#) and [B63B 35/00](#).
Group [B63B 32/70](#) is also impacted by reclassification into groups [B63B 32/30](#), [B63B 32/77](#), [B63B 32/80](#), [B63B 32/83](#), [B63B 32/87](#), [B63B 34/30](#), [B63B 34/45](#),

[B63B 34/565](#), [B63H 8/23](#), [B63H 8/25](#), [B63H 8/50](#), [B63H 8/52](#), [B63H 8/54](#),
[B63H 8/56](#), [B63H 8/58](#) and [B63H 8/70](#).

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

N B63B 32/73

- for tethering users or objects to the board, e.g. leashes

WARNING

Group [B63B 32/73](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#) and [B63B 35/00](#).

Groups [B63B 32/00](#), [B63B 35/00](#) and [B63B 32/73](#) should be considered in order to perform a complete search.

N B63B 32/77

- Arrangements for fixation of accessories to the board, e.g. inserts or rails

WARNING

Group [B63B 32/77](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/45](#), [B63B 32/70](#) and [B63B 35/00](#).

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

Q B63B 32/80

- Arrangements specially adapted for stowing or transporting water sports boards

WARNING

Group [B63B 32/80](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#) and [B63B 35/00](#).

Group [B63B 32/80](#) is also impacted by reclassification into groups [B63B 32/83](#), [B63B 32/87](#) and [B63H 8/70](#).

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

N B63B 32/83

- for stowing, e.g. racks or straps

WARNING

Group [B63B 32/83](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#), [B63B 32/80](#) and [B63B 35/00](#).

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

N B63B 32/87

- for carrying, e.g. board bags

WARNING

Group [B63B 32/87](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#), [B63B 32/80](#) and [B63B 35/00](#).

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

Q B63B 34/00

Vessels specially adapted for water sports or leisure; Body-supporting devices specially adapted for water sports or leisure (water sports boards [B63B 32/00](#); swimming frameworks [A63B 35/00](#); propulsion arrangements actuated by muscle power [B63H 16/00](#))

NOTE

This group covers floating structures supporting the user's body and moving on the water surface, which are specially adapted for water sports or leisure.

WARNING

Group [B63B 34/00](#) is incomplete pending reclassification of documents from group [B63B 35/00](#).

Group [B63B 34/00](#) is also impacted by reclassification into groups [B63B 34/10](#) and [B63B 34/15](#).

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

N B63B 34/05

- {Vessels specially adapted for hunting or fishing}

Q B63B 34/10

- Power-driven personal watercraft, e.g. water scooters (water jet propulsion [B63H 11/00](#); jet steering [B63H 25/46](#)); Accessories therefor

WARNING

Group [B63B 34/10](#) is incomplete pending reclassification of documents from groups [B63B 34/00](#) and [B63B 35/00](#).

Group [B63B 34/10](#) is also impacted by reclassification into group [B63B 34/15](#). All groups listed in this Warning should be considered in order to perform a complete search.

N B63B 34/15

- • for hydroflight sports

WARNING

Group [B63B 34/15](#) is incomplete pending reclassification of documents from groups [B63B 34/00](#), [B63B 34/10](#), [B63B 35/00](#) and [B64C 39/026](#).

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

Q B63B 34/20

- Canoes, kayaks or the like

WARNING

Group [B63B 34/20](#) is impacted by reclassification into groups [B63B 34/21](#), [B63B 34/22](#) and [B63B 34/23](#).

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

N B63B 34/21

- • characterised by constructional features

WARNING

Group [B63B 34/21](#) is incomplete pending reclassification of documents from group [B63B 34/20](#).

Groups [B63B 34/20](#) and [B63B 34/21](#) should be considered in order to perform a complete search.

N B63B 34/22

- • • Inflatable; having inflatable parts

WARNING

Group [B63B 34/22](#) is incomplete pending reclassification of documents from groups [B63B 7/08](#), [B63B 7/082](#), [B63B 7/085](#), [B63B 7/087](#) and [B63B 34/20](#).

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

N B63B 34/23

- • • Sectionalised, e.g. modular, collapsible or foldable

WARNING

Group [B63B 34/23](#) is incomplete pending reclassification of documents from groups [B63B 7/00](#), [B63B 2007/003](#), [B63B 2007/006](#), [B63B 7/02](#), [B63B 7/04](#), [B63B 7/06](#), [B63B 2007/065](#) and [B63B 34/20](#).

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

- N B63B 34/26
- Accessories for canoes, kayaks or the like (effecting propulsion by muscle power [B63H 16/00](#); outboard propulsion units [B63H 20/00](#))
- WARNING
Group [B63B 34/26](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#) and [B63B 7/087](#).
Groups [B63B 7/085](#) and [B63B 7/087](#) and [B63B 34/26](#) should be considered in order to perform a complete search.
- N B63B 34/30
- Rowing boats specially adapted for racing; Accessories therefor (effecting propulsion by rowing [B63H 16/00](#))
- WARNING
Group [B63B 34/30](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#) and [B63B 35/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B63B 34/40
- Body-supporting structures dynamically supported by foils under water
- WARNING
Group [B63B 34/40](#) is incomplete pending reclassification of documents from groups [B63B 1/24](#) - [B63B 1/30](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B63B 34/45
- • Accessories therefor
- WARNING
Group [B63B 34/45](#) incomplete pending reclassification of documents from groups [B63B 1/24](#) - [B63B 1/30](#), [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#) and [B63B 35/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- Q B63B 34/50
- Body-supporting buoyant devices, e.g. bathing boats or water cycles (swimming aids [A63B 31/00](#))
- WARNING
Group [B63B 34/50](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#) and [B63B 35/00](#).
Group [B63B 34/50](#) is also impacted by reclassification into groups [B63B 34/52](#), [B63B 34/54](#) and [B63B 34/56](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B63B 34/52
- • Inflatable or partly inflatable
- WARNING
Group [B63B 34/52](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 34/50](#) and [B63B 35/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B63B 34/54
- • specially adapted for being towed, e.g. banana boats, water sledges or towed buoys (arrangements for towing [B63B 34/60](#))
- WARNING
Group [B63B 34/54](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 34/50](#) and [B63B 35/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.

- N B63B 34/56
- for use in a standing position, e.g. water shoes, water walking devices or buoyant skis
- WARNING
Group [B63B 34/56](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 34/50](#) and [B63B 35/00](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N B63B 34/565
- Accessories, e.g. sticks for water walking
- WARNING
Group [B63B 34/565](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#) and [B63B 35/00](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N B63B 34/60
- Arrangements for towing, e.g. for use with water-skis or wakeboards
- N B63B 34/63
- Holding means for the user, e.g. handle bars or harnesses
- N B63B 34/67
- Connection means on the towing watercraft, e.g. pylons, side poles or winches
- Q B63B 34/70
- Arrangements on vessels specially adapted for generating waves for surfing, wakeboarding or the like, e.g. ballast tanks
- WARNING
Group [B63B 34/70](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#) and [B63B 35/00](#).
Group [B63B 34/70](#) is also impacted by reclassification into groups [A63B 69/0093](#), [B63B 34/75](#) and [E04H 4/0006](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N B63B 34/75
- Arrangements of wake plates
- WARNING
Group [B63B 34/75](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 34/70](#) and [B63B 35/00](#). All groups listed in this Warning should be considered in order to perform a complete search.
- C B63B 35/00
- Vessels or like similar floating structures specially adapted for special purposes-specific purposes and not otherwise provided for (vessels characterised by load-accommodating arrangements B63B 25/00; fire-fighting vessels A62C 29/00; submarines, mine-layers or mine-sweepers B63G; large containers for use in or under water B65D 88/78; (Advertising on ships or other floating means G09F 21/18))**
- WARNING
Group [B63B 35/00](#) is impacted by reclassification into groups [A63B 69/0093](#), [B63B 32/00 - B63B 32/87](#), [B63B 34/00](#), [B63B 34/10](#), [B63B 34/15](#), [B63B 34/30](#), [B63B 34/45 - B63B 34/565](#), [B63B 34/70](#), [B63B 34/75](#), [B63H 8/23](#), [B63H 8/24](#), [B63H 8/25](#), [B63H 8/50 - B63H 8/70](#) and [E04H 4/0006](#). All groups listed in this Warning should be considered in order to perform a complete search.
- D B63B 35/71
- Canoes, kayaks or the like {(collapsible, foldable, inflatable or like vessels B63B 7/00)}
- <administratively transferred to [B63B 34/20](#)>

- D B63B 2035/715
- • {Accessories specially adapted for kayaks, canoes, or the like, other than paddles or footrests, e.g. seats, detachable rudders, detachable propulsion means or sailing rigs}
- <administratively transferred to [B63B 34/26](#) INV>
- D B63B 35/73
- Other vessels or like floating structures for pleasure or sport
- <administratively transferred to [B63B 34/00](#)>
- D B63B 35/731
- • {Waterscooters}
- <administratively transferred to [B63B 34/10](#)>
- D B63B 35/732
- • {House boats}
- <administratively transferred to [B63B 2035/4426](#) ADD>
- D B63B 2035/734
- • {Racing rowing boats, i.e. light, long, narrow racing boats propelled by rowing using oars or sculls; Accessories therefor, other than means for effecting propulsion}
- <administratively transferred to [B63B 34/30](#)>
- D B63B 2035/735
- • {Towed structures, the towing member, e.g. tow-rope, being connected to the towed structure}
- <administratively transferred to [B63B 34/54](#)>
- D B63B 2035/737
- • {for particular use, not otherwise provided for}
- <administratively transferred to [B63B 34/00](#) INV>
- D B63B 2035/738
- • • {for hunting, or fishing}
- <administratively transferred to [B63B 34/05](#) INV>
- D B63B 35/74
- • Body supporting buoyant devices with seat {; and bathing boats}
- <administratively transferred to [B63B 34/50](#)>
- D B63B 35/76
- • • Ring-shaped buoyant member
- <administratively transferred to [B63B 34/50](#)>
- D B63B 35/78
- • • U-shaped buoyant members
- <administratively transferred to [B63B 34/50](#)>
- D B63B 35/79
- • Surf boards, e.g. sailboards
- <administratively transferred to [B63B 32/00](#)>
- D B63B 2035/7903
- • • {Body boards, i.e. surfboards specially adapted for use by users in prone position; Planing members attachable to, or held by body-surfers}
- <administratively transferred to [B63B 32/20](#) INV>
- D B63B 35/7906
- • • {Construction or shape of the boards}
- <administratively transferred to [B63B 32/50](#)>
- D B63B 35/7909
- • • • {characterised by the arrangement of constructive parts made predominantly of plastics, e.g. layers}
- <administratively transferred to [B63B 32/57](#)>
- D B63B 35/7913
- • • • {inflatable}
- <administratively transferred to [B63B 32/51](#)>
- D B63B 35/7916
- • • • {sectionalised}
- <administratively transferred to [B63B 32/53](#)>
- D B63B 35/792
- • • • {catamaran-shaped (B63B 35/7923 takes precedence)}
- <administratively transferred to [B63B 32/55](#)>
- D B63B 35/7923
- • • • {with hydrofoils (hydrofoils per se B63B 1/24)}
- <administratively transferred to [B63B 32/60](#)>

- D B63B 35/7926 {Fins, keels or steering devices acting on water}
<administratively transferred to [B63B 32/60](#)>
- D B63B 35/793 {Fixations for fins which do not normally move during sailing, e.g. fixations that can be slidably set before sailing}
<administratively transferred to [B63B 32/66](#)>
- D B63B 35/7933 . . . {Emergency arrangements and equipment; Other accessories (anti-theft devices using locks E05B 73/007)}
<administratively transferred to [B63B 32/70](#)>
- D B63B 35/7936 {Arrangements for the feet of the surfer}
<administratively transferred to [B63B 32/45](#)>
- D B63B 2035/794 {Leashes, i.e. security lines, or tethers connecting a board to the rider, e.g. to a limb; Attachment means therefor}
<administratively transferred to [B63B 32/73](#)>
- D B63B 35/7943 . . . {Motordriven boards}
<administratively transferred to [B63B 32/10](#)>
- D B63B 35/7946 . . . {Stowing or transporting arrangements (transporting on vehicles B60R 9/08)}
<administratively transferred to [B63B 32/80](#)>
- D B63B 35/795 . . . {transformable into another vehicle, e.g. sailboat, watercycle}
<administratively transferred to [B63B 32/56](#)>
- D B63B 35/7953 . . . {Winddriven boards}
<administratively transferred to [B63B 32/00](#)>
- D B63B 2035/7956 {Masts for winddriven boards; Equipment therefor, other than mastfoot arrangements}
<administratively transferred to [B63H 8/00](#) INV>
- D B63B 35/7959 {Mast foot arrangements}
<administratively transferred to [B63B 32/68](#)>
- D B63B 2035/7963 {comprising shock absorbing elements}
<administratively transferred to [B63H 8/24](#) INV>
- D B63B 35/7966 {Wishbone}
<administratively transferred to [B63H 8/21](#)>
- D B63B 35/7969 {Connection to the mast}
<administratively transferred to [B63H 8/22](#)>
- D B63B 35/7973 {Sail arrangements}
<administratively transferred to [B63H 8/00](#)>
- D B63B 35/7976 {Sails pivotally mounted at a mast tip; Kite-sails (kites per se B64C 31/06)}
<administratively transferred to [B63H 8/10](#)>
- D B63B 35/7979 {Control means for kite-sails; Harnesses for connecting kite-sails to a user, e.g. of quick release type}
<administratively transferred to [B63H 8/16](#)>
- D B63B 35/7983 {Sails with detachable sections, e.g. to change the sail area}
<administratively transferred to [B63H 8/00](#)>

- D B63B 2035/7986 {Clew trimmers, i.e. mechanisms or arrangements for trimming or positioning the clew of the sail, or for tensioning the outhaul}
<administratively transferred to [B63H 8/52](#) INV>
- D B63B 35/7989 {Devices to tension the luff of the sail}
<administratively transferred to [B63H 8/52](#)>
- D B63B 35/7993 {Harnesses or handgrips}
<administratively transferred to [B63H 8/54](#)>
- D B63B 35/7996 {with elastic connection to the wishbone}
<administratively transferred to [B63H 8/54](#)>
- D B63B 35/81 . . Waterskis; Watersledges
<administratively transferred to [B63B 32/20](#)>
- D B63B 35/811 . . . {with means for additional lift by provision of hollow bodies}
<administratively transferred to [B63B 32/20](#)>
- D B63B 35/812 . . . {Bindings}
<administratively transferred to [B63B 32/35](#)>
- D B63B 2035/813 . . . {Fins, keels, or the like water guiding means; Arrangements thereof on waterskis}
<administratively transferred to [B63B 32/30](#) and [B63B 32/60](#)>
- D B63B 35/815 . . . {Towing devices}
<administratively transferred to [B63B 34/60](#)>
- D B63B 35/816 {Connection of the tow to the boat; using winches (winches per se B66D)}
<administratively transferred to [B63B 34/67](#)>
- D B63B 35/817 {Handles}
<administratively transferred to [B63B 34/63](#)>
- D B63B 2035/818 . . . {Wakeboards, i.e. monoboards for users being towed behind a boat, the board comprising bindings oriented substantially perpendicular to the longitudinal axis of the board}
<administratively transferred to [B63B 32/40](#) INV>
- D B63B 35/83 . . Water shoes; Bog shoes
<administratively transferred to [B63B 34/56](#)>
- D B63B 35/85 . . Accessories not otherwise provided for, e.g. sticks for water skiing
<administratively transferred to [B63B 32/70](#)>
- D B63B 2035/855 . . . {Equipment or arrangements for generating waves, particularly adapted for surfing, waterskiing, or the like}
<administratively transferred to [B63B 34/70](#)>
- D B63B 38/00 **Vessels or like floating structures not otherwise provided for (vessels characterised by load-accommodating arrangements B63B 25/00; fire-extinguishing vessels A62C 29/00; submarines, mine-layers or mine-sweepers B63G; large containers for use in or under water B65D 88/78)**
<administratively transferred to [B63B 35/00](#)>
- B63B 41/00 Drop keels, e.g. centre boards or side boards {; Collapsible keels, or the like, e.g. telescopically; Longitudinally split hinged keels (keels integral with hull [B63B 3/38](#); foils or keels on surf-boards [B63B 35/7906](#)[B63B 32/50](#); stabilising foils [B63B 39/06](#))}

Project: RP0617 (B63C)

- U B63C 11/00 Equipment for dwelling or working underwater; Means for searching for underwater objects (composition of chemical substances for use in breathing apparatus [A62D 9/00](#); swimming aids or equipment [A63B 31/00](#) - [A63B 35/00](#); submarines [B63G 8/00](#))
- M B63C 11/46 · Divers' sleds or like craft, i.e. craft on which man in diving-suit rides ~~((devices fixed to the body of a swimmer, e.g. diver, or held in his hands, and propelling the swimmer by muscle power or by a motor [A63B 35/00](#)))~~

Project: RP0617 (B63H)

- M B63H **MARINE PROPULSION OR STEERING** (~~{arrangement of propulsion or steering means on amphibious vehicles [B60F 3/0007](#); }~~ propulsion of air-cushion vehicles [B60V 1/14](#); ~~peculiar to submarines, other than nuclear propulsion, [B63G](#); peculiar to torpedoes [F42B 19/00](#); specially adapted for submarines, other than nuclear propulsion, [B63G](#); specially adapted for torpedoes [F42B 19/00](#))~~)

NOTE

In this subclass, the indexing codes [B63B 2201/00](#) - [B63B 2241/00](#) are to be used for relevant technical information concerning particular or unusual use, materials, design, methods or means

WARNINGS

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. Groups [B63H 1/00](#) - [B63H 25/52](#) are incomplete pending reclassification of documents from groups [B63B 2701/00](#) - [B63B 2770/00](#). All groups listed in this Warning should be considered in order to perform a complete search.

- M B63H 1/00 **Propulsive elements directly acting on water (jet propulsion [B63H 11/00](#); attachment of propellers on shafts [B63H 23/34](#))**
- M B63H 1/02 · of rotary type ~~(endless-track type [B63H 1/34](#))~~
- U B63H 1/12 · · with rotation axis substantially in propulsive direction
- U B63H 1/14 · · · Propellers (pitch changing [B63H 3/00](#))
- M B63H 1/15 · · · · having vibration damping means ~~(anti-vibration mounting of propulsion plant [B63H 21/30](#); means for damping vibration in general [F16F](#))~~
- M B63H 1/28 · · · · Other means for improving propeller efficiency ~~(water-guiding elements formed by shape of hull [B63H 5/00](#))~~
- U B63H 5/00 **Arrangements on vessels of propulsion elements directly acting on water**
- U B63H 5/07 · of propellers (forming part of outboard units {or Z-drives} [B63H 20/00](#))
- M B63H 5/16 · · characterised by being mounted in recesses; with stationary water-guiding elements; Means to prevent fouling of the propeller, e.g. guards, cages or screens ~~(anti-fouling paints [C09D 5/16](#))~~
- N ***B63H 7/00 - B63H 13/00*** ***Propulsion using air or wind***
- M B63H 7/00 **Arrangements of propulsive devices directly acting *Propulsion directly actuated* on air (jet propulsion [B63H 11/00](#))**
- M B63H 7/02 · using propellers ~~(air-screws of aircraft type [B64C](#))~~

Q B63H 8/00 **Sail or rigging arrangements specially adapted for water sports boards, e.g. for windsurfing or kitesurfing**

WARNING

Group [B63H 8/00](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63H 9/04](#) and [B63H 9/06](#).

Group [B63H 8/00](#) is also impacted by reclassification into groups [B63H 8/20](#), [B63H 8/23](#), [B63H 8/25](#), [B63H 8/40](#), [B63H 8/50](#), [B63H 8/52](#), [B63H 8/54](#), [B63H 8/56](#), [B63H 8/58](#) and [B63H 8/70](#).

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

Q B63H 8/10

- Kite-sails; Kite-wings; Control thereof; Safety means therefor

WARNING

Group [B63H 8/10](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63H 9/04](#), [B63H 9/06](#) and [B64C 31/06](#).

Group [B63H 8/10](#) is also impacted by reclassification into groups [B63H 8/12](#), [B63H 8/14](#), [B63H 8/23](#), [B63H 8/25](#), [B63H 8/50](#), [B63H 8/52](#), [B63H 8/54](#), [B63H 8/56](#), [B63H 8/58](#) and [B63H 8/70](#).

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

N B63H 8/12

- • Kites with inflatable closed compartments

WARNING

Group [B63H 8/12](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63H 8/10](#), [B63H 9/04](#), [B63H 9/06](#) and [B64C 31/06](#).

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

N B63H 8/14

- • Ram-air kites, i.e. kites at least partly inflated by air entering their leading edges during use

WARNING

Group [B63H 8/14](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63H 8/10](#), [B63H 9/04](#), [B63H 9/06](#) and [B64C 31/06](#).

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

Q B63H 8/16

- • Control arrangements, e.g. control bars or control lines

WARNING

Group [B63H 8/16](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63H 9/04](#), [B63H 9/06](#), [B63H 9/072](#) and [B64C 31/06](#).

Group [B63H 8/16](#) is also impacted by reclassification into groups [B63H 8/18](#), [B63H 8/23](#), [B63H 8/25](#), [B63H 8/50](#), [B63H 8/52](#), [B63H 8/54](#), [B63H 8/56](#) and [B63H 8/58](#).

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

- N B63H 8/18
- Arrangements for connecting the user to a kite-sail; Kite-safety means, e.g. chicken loops, safety leashes or quick release mechanisms
- WARNING
- Group [B63H 8/18](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63H 8/16](#), [B63H 9/04](#), [B63H 9/06](#), [B63H 9/072](#) and [B64C 31/06](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N B63H 8/20
- Rigging arrangements involving masts, e.g. for windsurfing
- WARNING
- Group [B63H 8/20](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63H 8/00](#), [B63H 9/04](#) and [B63H 9/06](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N B63H 8/21
- Wishbones
- WARNING
- Group [B63H 8/21](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63H 9/04](#) and [B63H 9/06](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N B63H 8/22
- for connecting wishbones to the mast
- WARNING
- Group [B63H 8/22](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63H 9/04](#) and [B63H 9/06](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N B63H 8/23
- for tensioning or trimming the clew of the sail, e.g. outhaul trimmers
- WARNING
- Group [B63H 8/23](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#), [B63B 35/00](#), [B63H 8/00](#), [B63H 8/10](#), [B63H 8/16](#), [B63H 8/52](#), [B63H 9/04](#), [B63H 9/06](#), [B63H 9/072](#) and [B64C 31/06](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N B63H 8/24
- Arrangements for connecting the rigging to a board
- WARNING
- Group [B63H 8/24](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63B 1/24](#) - [B63B 1/30](#), [B63B 32/00](#), [B63B 32/68](#), [B63B 35/00](#), [B63H 9/04](#) and [B63H 9/06](#).
- All groups listed in this Warning should be considered in order to perform a complete search.

- N B63H 8/25
- Arrangements for connecting the sail to a mast foot, e.g. downhaul tensioners or mast foot extensions
- WARNING
- Group [B63H 8/25](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#), [B63B 35/00](#), [B63H 8/00](#), [B63H 8/10](#), [B63H 8/16](#), [B63H 8/52](#), [B63H 9/04](#), [B63H 9/06](#), [B63H 9/072](#) and [B64C 31/06](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N B63H 8/40
- Arrangements for improving or maintaining the aerodynamic profile of sails, e.g. cambers, battens or foil profiles
- WARNING
- Group [B63H 8/40](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63H 8/00](#), [B63H 9/04](#), [B63H 9/06](#) and [B63H 9/065](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N B63H 8/50
- Accessories, e.g. repair kits or kite launching aids
- WARNING
- Group [B63H 8/50](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#), [B63B 35/00](#), [B63H 8/00](#), [B63H 8/10](#), [B63H 8/16](#), [B63H 9/04](#), [B63H 9/06](#), [B63H 9/072](#) and [B64C 31/06](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- Q B63H 8/52
- Handheld cleats, cams or hooks for tensioning the downhaul or outhaul of a windsurfing sail
- WARNING
- Group [B63H 8/52](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#), [B63B 35/00](#), [B63H 8/00](#), [B63H 8/10](#), [B63H 8/16](#), [B63H 9/04](#), [B63H 9/06](#), [B63H 9/072](#) and [B64C 31/06](#).
- Group [B63H 8/52](#) is also impacted by reclassification into groups [B63H 8/23](#) and [B63H 8/25](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- Q B63H 8/54
- Arrangements for connecting the user or the harness to the wishbone, e.g. trapeze lines or handgrips
- WARNING
- Group [B63H 8/54](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#), [B63B 35/00](#), [B63H 8/00](#), [B63H 8/10](#), [B63H 8/16](#), [B63H 9/04](#), [B63H 9/06](#), [B63H 9/072](#) and [B64C 31/06](#).
- Group [B63H 8/54](#) is also impacted by reclassification into groups [B63H 8/56](#) and [B63H 8/58](#).
- All groups listed in this Warning should be considered in order to perform a complete search.

- N B63H 8/56
- Devices to distribute the user's load, e.g. harnesses
- WARNING**
Group [B63H 8/56](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#), [B63B 35/00](#), [B63H 8/00](#), [B63H 8/10](#), [B63H 8/16](#), [B63H 8/54](#), [B63H 9/04](#), [B63H 9/06](#), [B63H 9/072](#) and [B64C 31/06](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B63H 8/58
- • Spreader bars; Hook connection arrangements
- WARNING**
Group [B63H 8/58](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#), [B63B 35/00](#), [B63H 8/00](#), [B63H 8/10](#), [B63H 8/16](#), [B63H 8/54](#), [B63H 9/04](#), [B63H 9/06](#), [B63H 9/072](#) and [B64C 31/06](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N B63H 8/70
- Arrangements for handling, stowing or transport thereof
- WARNING**
Group [B63H 8/70](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#), [B63B 32/80](#), [B63B 35/00](#), [B63H 8/00](#), [B63H 8/10](#), [B63H 9/04](#), [B63H 9/06](#) and [B64C 31/06](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- M B63H 9/00
- Propulsive devices directly acted on by wind; Arrangements thereof Marine propulsion provided directly by wind power (air driven propellers driving underwater propulsive elements B63H 13/00 wind-motors driving underwater propulsive elements B63H 13/00)**
- C B63H 9/04
- using sails or like wind-catching surfaces (~~sailing sledges or ice boats B62B 15/00~~ {; masts for sailing boats B63B 15/0083; sail arrangements for wind-driven boards B63B 35/7973} sail or rigging arrangements specially adapted for water sports boards, e.g. for windsurfing or kitesurfing [B63H 8/00](#))
- WARNING**
Group [B63H 9/04](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [B60K 16/00](#), [B60K 2016/006](#) and [B62B 15/00](#) - [B62B 15/005](#).
Group [B63H 9/04](#) is also impacted by reclassification into groups [B63H 8/00](#) - [B63H 8/70](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- C B63H 9/06
- ~~Construction or types of sails~~ Types of sail; Constructional features of sails; Arrangements thereof on vessels
- WARNING**
Group [B63H 9/06](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#), [B62B 15/001](#), [B62B 15/002](#), [B62B 15/003](#), [B62B 15/004](#) and [B62B 15/005](#).

*Group B63H 9/06 is also impacted by reclassification into groups B63H 8/00 - B63H 8/70.
All groups listed in this Warning should be considered in order to perform a complete search.*

- D B63H 9/0607 . . . {Rigid or aerofoil type sails}
<administratively transferred to [B63H 9/061](#)>
- N B63H 9/061 . . . Rigid sails; Aerofoil sails
WARNING
Group [B63H 9/061](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [B60K 16/00](#), [B60K 2016/006](#) and [B62B 15/00](#) - [B62B 15/005](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- D B63H 9/0614 . . . {Inflatable aerofoil sails}
<administratively transferred to [B63H 9/0615](#)>
- N B63H 9/0615 . . . {Inflatable aerofoil sails}
WARNING
Group [B63H 9/0615](#) is incomplete pending reclassification of documents from group [A63C 5/11](#).
Groups [A63C 5/11](#) and [B63H 9/0615](#) should be considered in order to perform a complete search.
- D B63H 2009/0621 . . . {Rigid sails comprising one or more pivotally supported panels}
<administratively transferred to [B63H 9/0621](#) INV>
- N B63H 9/0621 . . . {Rigid sails comprising one or more pivotally supported panels}
WARNING
Group [B63H 9/0621](#) is incomplete pending reclassification of documents from group [A63C 5/11](#).
Groups [A63C 5/11](#) and [B63H 9/0621](#) should be considered in order to perform a complete search.
- D B63H 2009/0628 . . . {the panels being pivotable about horizontal axes}
<administratively transferred to [B63H 9/0628](#) INV>
- N B63H 9/0628 . . . {the panels being pivotable about horizontal axes}
WARNING
Group [B63H 9/0628](#) is incomplete pending reclassification of documents from group [A63C 5/11](#).
Groups [A63C 5/11](#) and [B63H 9/0628](#) should be considered in order to perform a complete search.
- D B63H 2009/0635 . . . {the panels being pivotable about vertical axes}
<administratively transferred to [B63H 9/0635](#) INV>
- N B63H 9/0635 . . . {the panels being pivotable about vertical axes}
WARNING
Group [B63H 9/0635](#) is incomplete pending reclassification of documents from group [A63C 5/11](#).
Groups [A63C 5/11](#) and [B63H 9/0635](#) should be considered in order to perform a complete search.

- D B63H 9/0642 . . . {Sail battens}
<administratively transferred to [B63H 9/065](#)>
- Q B63H 9/065 . . . Battens (for water sports board sails [B63H 8/40](#))
WARNING
Group [B63H 9/065](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [B60K 16/00](#), [B60K 2016/006](#) and [B62B 15/00](#) - [B62B 15/005](#).
Group [B63H 9/065](#) is also impacted by reclassification into group [B63H 8/40](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- D B63H 2009/065 {with variable rigidity, e.g. inflatable}
<administratively transferred to [B63H 9/065](#)>
- D B63H 9/0657 . . . {Construction of sails (sails with detachable sections B63B 35/7983)}
<administratively transferred to [B63H 9/067](#)>
- D B63H 2009/0664 {of spinnakers, gennakers, or the like balloon sails}
<administratively transferred to [B63H 9/0673](#) INV>
- N B63H 9/067 . . . Sails characterised by their construction or manufacturing process
WARNING
Group [B63H 9/067](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#), [B62B 15/001](#), [B62B 15/002](#), [B62B 15/003](#), [B62B 15/004](#) and [B62B 15/005](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- D B63H 2009/0671 {of molded sails, i.e. of sails manufactured by shaping deformable material on molds, e.g. thermoplastic film on heatable molds; Methods of manufacturing molded sails}
<administratively transferred to [B63H 9/0671](#) INV>
- N B63H 9/0671 {Moulded sails}
WARNING
Group [B63H 9/0671](#) is incomplete pending reclassification of documents from group [A63C 5/11](#).
Groups [A63C 5/11](#) and [B63H 9/0671](#) should be considered in order to perform a complete search.
- N B63H 9/0673 {Flying sails, e.g. spinnakers or gennakers}
WARNING
Group [B63H 9/0673](#) is incomplete pending reclassification of documents from group [A63C 5/11](#).
Groups [A63C 5/11](#) and [B63H 9/0673](#) should be considered in order to perform a complete search.
- D B63H 2009/0678 {of laminated sails with oriented fibres, i.e. fibres or filaments arranged along predefined lines substantially parallel to the principal stress trajectories; Methods of manufacturing therefor}
<administratively transferred to [B63H 9/0678](#) INV>
- N B63H 9/0678 {Laminated sails}
WARNING
Group [B63H 9/0678](#) is incomplete pending reclassification of documents from group [A63C 5/11](#).

Groups [A63C 5/11](#) and [B63H 9/0678](#) should be considered in order to perform a complete search.

- N B63H 9/068
- • • Sails pivotally mounted at mast tip
- WARNING
Group [B63H 9/068](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63H 9/069](#) and [B64C 31/06](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- D B63H 9/0685
- • • {Sails pivotally mounted at a mast tip; Kite sails (B63B 35/7976 takes precedence)}
- <administratively transferred to [B63H 9/069](#)>
- Q B63H 9/069
- • • Kite-sails for vessels
- WARNING
Group [B63H 9/069](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#) and [B64C 31/06](#).
Group [B63H 9/069](#) is also impacted by reclassification into groups [B63H 9/068](#) and [B63H 9/071](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- D B63H 2009/0692
- • • {Methods, or means specially adapted for controlling kite sails, e.g. control bars, harnesses, automated control units, or methods of their use}
- <administratively transferred to [B63H 9/072](#) INV>
- N B63H 9/071
- • • for use in combination with other propulsion means, e.g. for improved fuel economy
- WARNING
Group [B63H 9/071](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#), [B63H 9/069](#) and [B64C 31/06](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- Q B63H 9/072
- • • Control arrangements, e.g. for launching or recovery
- WARNING
Group [B63H 9/072](#) is incomplete pending reclassification of documents from groups [A63C 5/11](#), [A63H 27/08](#), [A63H 27/082](#), [A63H 27/085](#), [A63H 27/087](#), [B60K 16/00](#), [B60K 2016/006](#), [B62B 15/00](#) - [B62B 15/005](#) and [B64C 31/06](#).
Group [B63H 9/072](#) is also impacted by reclassification into groups [B63H 8/16](#), [B63H 8/18](#), [B63H 8/23](#), [B63H 8/25](#), [B63H 8/50](#), [B63H 8/52](#), [B63H 8/54](#), [B63H 8/56](#) and [B63H 8/58](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- U B63H 9/08
- • Connections of sails to masts, spars, or the like
- U B63H 9/10
- • • Running rigging, e.g. reefing equipment (staying of masts [B63B 15/02](#))
- B63H 9/1007
- • • {Trapeze systems (~~harnesses for windsurfers B63B 35/7993~~ [harnesses for windsurfers B63H 8/54](#), [B63H 8/56](#))}

- M B63H 11/00 **Effecting propulsion by jets, i.e. reaction principle *Marine propulsion by water jets* (steering by {auxiliary} jet action, {rudders carrying jets} B63H 25/46; power plant per se, see the relevant classes)**
- M B63H 13/00 **Effecting *Marine* propulsion by wind motors driving water-engaging propulsive elements**
- M B63H 15/00 **Effecting *Marine* propulsion by use of vessel-mounted driving mechanisms co-operating with anchored chains or the like**
- M B63H 16/00 **Effecting *Marine* propulsion by muscle power (~~swimming frameworks, {i.e. apparatus fixed to or held by the swimmer or diver}~~ with swimmer-operated driving mechanisms A63B 35/00; land-based training equipment for rowing or sculling A63B 69/06)**
- M B63H 16/08
 - Other apparatus for converting muscle power into propulsive effort (~~general features of propulsion elements, see the relevant groups~~)
- M B63H 19/00 **Effecting propulsion of vessels, *Marine propulsion* not otherwise provided for**
- M B63H 19/06
 - by discharging gas into ambient water (~~with jet action B63H 11/12; for reducing surface friction B63B 1/38~~)
- M B63H 20/00 **Outboard propulsion units, i.e. ~~propulsion units having a substantially vertical power leg mounted outboard of a hull and terminating in a propulsion element, e.g. "outboard motors", e.g. *outboard motors or Z-drives* (with level bridging shaft arranged substantially outboard)(power plants per se, see the relevant classes); Arrangements thereof on vessels ({transom panels for outboard motors on inflatable boats B63B 7/087; tug-type floating propeller units B63B 35/665; rudders carrying propellers B63H 25/42; rudders carrying jets B63H 25/46; engines of outboard propulsion units F02B 61/045})~~**
- M B63H 20/08
 - Means enabling movement of the position of the propulsion element, e.g. for trim, tilt, or steering (~~transmissions allowing movement of the propulsion element B63H 20/14~~); Control of trim or tilt (initiating means for steering [B63H 25/02](#))
- M B63H 21/00 **Use of propulsion power plant or units on vessels (~~use of outboard propulsion units B63H 20/00; hull reinforcements for carrying propulsion power plant or units B63B 3/70; (propulsion of submarines B63G 8/08;) propulsion power plant or units per se, see the relevant classes)~~**
- NOTE**
This group comprises arrangements of propulsion power plant or units on vessels and to some extent it includes adaptations of such plant or units to facilitate such arrangements
- U B63H 21/12
 - the vessels being motor-driven ([B63H 21/175](#), [B63H 21/18](#) take precedence; {cooling circuits with liquid-to-liquid heat-exchange relative to marine vessels [F01P 3/207](#)})
- WARNING**
Group [B63H 21/12](#) is no longer used for classification of vessels being motor-driven by electric motor, powered by land vehicle supported by vessel, and powered by nuclear energy. These documents are in the process of being reorganised to groups [B63H 21/17](#), [B63H 21/175](#), and [B63H 21/18](#) respectively
- M B63H 21/17
 - by electric motor (~~electrically-propelled vehicles B60L- (Transmitting power from propulsion power plant to propulsive elements with electric gearing B63H 23/24)~~)

- M B63H 21/22
- the propulsion power units being controlled from exterior of engine room, e.g. from navigation bridge; Arrangements of order telegraphs ~~(conjoint control of specific features of internal combustion engines and of propelling elements F02D); order telegraphs per se G08B-9/00)~~
- M B63H 21/30
- Mounting of propulsion plant or unit, e.g. for anti-vibration purposes (hull reinforcements therefor [B63B 3/70](#); ~~of outboard propulsion units B63H 20/02;~~ vibration in systems F16F; engine beds F16M)
- M B63H 21/32
- Arrangements of propulsion **power**-unit exhaust uptakes; Funnels peculiar to vessels; ~~Small watercraft exhaust arrangements, e.g. under-water;~~ (engine exhausts in general F01N; flue devices for furnaces in general F23J; ~~exhaust gas outlets forming part of outboard propulsion units or Z-drives B63H 20/24~~)
- WARNING**
- Group B63H 21/32 is no longer used for classification of documents dealing with gas exhaust outlets forming part of outboard propulsion units or Z-drives. Respective documents are in the process of being reorganised to groups B63H 20/24 and B63H 20/26
- M B63H 21/36
- Covers or casing arranged to protect plant or unit from marine environment ~~(Housings of outboard propulsion units B63H 20/32)~~ hull construction [B63B 3/00](#))
- M B63H 23/00**
- Transmitting power from propulsion power plant to propulsive elements ~~(changing pitch or propellers B63H 3/00;~~ adaptation of transmission to allow adjustment in **location** ~~or~~ direction of propellers [B63H 5/125](#); transmission between wind motors and propulsive elements [B63H 13/00](#); in outboard propulsion units [B63H 20/14](#); adaptation of transmission to allow adjustment of location of propellers [B63H 20/08](#); ~~adaptations of transmissions to allow steering or dynamic anchoring by propellers carried on rudders B63H 25/42;~~ } for vehicles in general B60K; driving auxiliary machinery [B63J](#); transmission elements **per se** [F16](#))
- U B63H 23/02
- with mechanical gearing
- M B63H 23/10
- for transmitting drive from more than one propulsion power unit ~~(for synchronisation of propulsive elements B63H 23/28)~~
- U B63H 23/32
- Other parts
- M B63H 23/34
- Propeller shafts; Paddle-wheel shafts; Attachment of propellers on shafts ~~(shafts in general F16C; attachment of a member on a shaft in general F16D-1/06)~~
- M B63H 23/36
- Shaft tubes ~~(propeller-shaft tunnels B63B 11/06; shaft-tube seals F16J)~~
- M B63H 25/00**
- Steering; Slowing-down otherwise than by use of propulsive elements ~~(using adjustably-mounted propeller ducts or rings for steering B63H 5/14;~~ using movably-installed outboard propulsion units [B63H 20/00](#)); Dynamic anchoring, i.e. positioning vessels by means of main or auxiliary propulsive elements ~~(anchoring, other than dynamic B63B 21/00; equipment to decrease pitch, roll or like unwanted vessel movements by auxiliary jets or propellers B63B 39/08;~~ ~~systems for waterborne vessel position control G05, e.g. G05D 1/00)~~
- U B63H 25/06
- Steering by rudders (by rudders carrying propellers [B63H 25/42](#))
- M B63H 25/38
- Rudders ~~(stern posts B63B 3/40;~~ rudders mounted on housing of outboard motors [B63H 20/34](#); rudders carrying propellers [B63H 25/42](#); rudders carrying jets [B63H 25/46](#))

Project: RP0617 (B64C)

- U B64C 31/00
- Aircraft intended to be sustained without power plant; Powered hang-glider-type aircraft; Microlight-type aircraft

- C B64C 31/06
- Kites (hang-gliders [B64C 31/028](#); toy aspects [A63H 27/08](#); towed targets [F41J](#) {; for propelling boats [B63H 9/0685](#); for propelling wind-driven boards, control means and harnesses therefor [B63B 35/7976](#)}; for propelling water sports boards [B63H 8/10](#); for propelling vessels [B63H 9/069](#))

WARNING

Group [B64C 31/06](#) is impacted by reclassification into groups [B63H 8/10](#) - [B63H 8/18](#), [B63H 8/23](#), [B63H 8/25](#), [B63H 8/50](#) - [B63H 8/70](#) and [B63H 9/068](#) - [B63H 9/072](#).

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

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

WARNING

Group [B64C 39/00](#) is impacted by reclassification into group [B64C 39/029](#).

Groups [B64C 39/00](#) and [B64C 39/029](#) should be considered in order to perform a complete search.

- U B64C 39/02
- characterised by special use
- C B64C 39/026
- • {for use as personal propulsion unit}

WARNING

Group [B64C 39/026](#) is impacted by reclassification into group [B63B 34/15](#). Groups [B64C 39/026](#) and [B63B 34/15](#) should be considered in order to perform a complete search.

Project: N/A (B65D)

B65D 19/00

Pallets or like platforms, with or without side walls, for supporting loads to be lifted or lowered (*in devices for lifting or lowering bulky or heavy goods for loading or unloading purposes* [B66F 9/12](#))

Project: N/A (C01B)

- U C01B 32/00 **Carbon; Compounds thereof ([C01B 21/00](#), [C01B 23/00](#) take precedence; percarbonates [C01B 15/10](#); carbon black [C09C 1/48](#))**
- U C01B 32/90
- Carbides
- U C01B 32/914
- • Carbides of single elements
- U C01B 32/956
- • • Silicon carbide

WARNING

Group [C01B 32/956](#) is impacted by reclassification into groups [C01B 32/963](#)- [C01B 32/991](#).

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

- U C01B 32/963
- • • Preparation from compounds containing silicon

WARNING

Group [C01B 32/963](#) is incomplete pending reclassification of documents from group [C01B 32/956](#).

Groups [C01B 32/956](#) and [C01B 32/963](#) should be considered in order to perform a complete search.

- C01B 32/97
- • • • Preparation from SiO or SiO₂

WARNING

Groups [C01B 32/97](#), [C01B 32/977](#) and [C01B 32/984](#) are incomplete pending reclassification of documents from group [C01B 32/956](#).

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

- U C01B 32/977 Preparation from organic compounds containing silicon
- U C01B 32/984 Preparation from elemental silicon

Project: RP0634 (C05G)

M C05G

MIXTURES OF FERTILISERS COVERED INDIVIDUALLY BY DIFFERENT SUBCLASSES OF CLASS C05; MIXTURES OF ONE OR MORE FERTILISERS WITH MATERIALS NOT HAVING A SPECIFIC FERTILISING ACTIVITY, e.g. PESTICIDES, SOIL-CONDITIONERS, WETTING AGENTS (organic fertilisers containing added bacterial cultures, mycelia, or the like C05F 11/08; organic fertilisers containing plant vitamins or hormones C05F 11/10); FERTILISERS CHARACTERISED BY THEIR FORM

NOTES

1. This subclass covers mixtures of fertilisers with soil-conditioning or soil-stabilising materials characterised by their fertilising activity.
2. This subclass does not cover mixtures of fertilisers with soil-conditioning or soil-stabilising materials characterised by their soil-conditioning or soil-stabilising activity, which are covered by group C09K 17/00.

3. In this subclass, multi-aspect classification is applied, so that subject matter characterised by aspects covered by more than one of its groups, which is considered to represent information of interest for search, may also be classified in each of those groups.

WARNING

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

C05G 1/02 - C05G 1/10	covered by	C05G 1/00 - C05 C05B 19/02 ; (see internal C05G 1/00 - note after C05G 11/00 ; the C05D 1/00 - title of C05D 9/02, class C05F 1/00 - C05F 17/993 C05)
C05G3/10	covered by	C05G 3/0088
C05G 5/00	covered by	C05G 3/0005

M C05G 3/00

Mixtures of one or more fertilisers with materials additives not having a specially fertilising activity

- D C05G 3/0005 . {Further uses of fertiliser, also the form in which it is presented, e.g. by englobed granules}
 - <administratively transferred to C05G 5/00>
- D C05G 3/0011 . . {by covering; apparatus for covering}
 - <administratively transferred to C05G 5/30>
- D C05G 3/0017 . . . {Formation of capsules}
 - <administratively transferred to C05G 5/35>
- D C05G 3/0023 . . . {with sulfur}
 - <administratively transferred to C05G 5/36>
- D C05G 3/0029 . . . {with a polymer}
 - <administratively transferred to C05G 5/37>
- D C05G 3/0035 . . . {with wax or resins}
 - <administratively transferred to C05G 5/38>

- D C05G 3/0041
- • • {with other substances}
 - <administratively transferred to [C05G 5/30](#)>
- D C05G 3/0047
- • {by incorporating into a matrix}
 - <administratively transferred to [C05G 5/40](#)>
- D C05G 3/0052
- • {in another manner}
 - <administratively transferred to [C05G 5/45](#)>
- D C05G 3/0058
- • {Granulation of fertiliser compounds, so far as it is not covered by another class of fertilisers (granulation of phosphatic fertilisers C05B 19/00; granulation of nitrogenous fertilisers C05C 1/02; fertilisers containing calcium cyanamide or other cyanamides C05C 7/02; fertilisers containing urea or its compounds C05C 9/005)}
 - <administratively transferred to [C05G 5/12](#)>
- D C05G 3/0064
- • {fertilisers in liquid form}
 - <administratively transferred to [C05G 5/20](#)>
- D C05G 3/007
- • • {in suspension}
 - <administratively transferred to [C05G 5/27](#)>
- D C05G 3/0076
- • • {in aqueous solution}
 - <administratively transferred to [C05G 5/23](#)>
- D C05G 3/0082
- • {for regulating the solubility}
 - <administratively transferred to [C05G 3/44](#)>
- D C05G 3/0088
- • {to avoid the fertiliser being reduced to powder; for avoiding agglomeration}
 - <administratively transferred to [C05G 3/20](#)>
- D C05G 3/0094
- • {fertiliser dosage}
 - <administratively transferred to [C05G 3/40](#)>
- D C05G 3/02
- with pesticides
 - <administratively transferred to [C05G 3/60](#)>
- D C05G 3/04
- with soil conditioners
 - <administratively transferred to [C05G 3/80](#)>
- D C05G 3/06
- with wetting agents
 - <administratively transferred to [C05G 3/70](#)>
- D C05G 3/08
- with agents affecting the nitrification of ammonium compounds or urea in the soil
 - <administratively transferred to [C05G 3/90](#)>
- Q C05G 3/20
- for preventing the fertilisers being reduced to powder; Anti-dusting additives
 - WARNING
 - Group [C05G 3/20](#) is impacted by reclassification into group [C05G 3/30](#).
 - Groups [C05G 3/20](#) and [C05G 3/30](#) should be considered in order to perform a complete search.
- N C05G 3/30
- Anti-agglomerating additives; Anti-solidifying additives
 - WARNING
 - Group [C05G 3/30](#) is incomplete pending reclassification of documents from group [C05G 3/20](#).
 - Groups [C05G 3/20](#) and [C05G 3/30](#) should be considered in order to perform a complete search.
- N C05G 3/40
- for affecting fertiliser dosage or release rate; for affecting solubility

- N C05G 3/44 • • {for affecting solubility}
- N C05G 3/50 • Surfactants; Emulsifiers
- WARNING
Group [C05G 3/50](#) is incomplete pending reclassification of documents from group [C05G 3/70](#).
Groups [C05G 3/70](#) and [C05G 3/50](#) should be considered in order to perform a complete search.
- N C05G 3/60 • Biocides or preservatives, e.g. disinfectants, pesticides or herbicides; Pest repellants or attractants
- Q C05G 3/70 • for affecting wettability, e.g. drying agents
- WARNING
Group [C05G 3/70](#) is impacted by reclassification into group [C05G 3/50](#).
Groups [C05G 3/70](#) and [C05G 3/50](#) should be considered in order to perform a complete search.
- N C05G 3/80 • Soil conditioners
- N C05G 3/90 • for affecting the nitrification of ammonium compounds or urea in the soil
- Q C05G 5/00 **Fertilisers characterised by their form****
- WARNING
Group [C05G 5/00](#) is impacted by reclassification into groups [C05G 5/10](#), [C05G 5/12](#), [C05G 5/14](#), [C05G 5/16](#), [C05G 5/18](#), [C05G 5/30](#), and [C05G 5/40](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N C05G 5/10 • Solid or semi-solid fertilisers, e.g. powders (layered or coated [C05G 5/30](#), incorporated into a matrix [C05G 5/40](#))
- WARNING
Group [C05G 5/10](#) is incomplete pending reclassification of documents from group [C05G 5/00](#).
Groups [C05G 5/00](#) and [C05G 5/10](#) should be considered in order to perform a complete search.
- Q C05G 5/12 • • Granules or flakes
- WARNING
Group [C05G 5/12](#) is incomplete pending reclassification of documents from group [C05G 5/00](#).
Group [C05G 5/12](#) is also impacted by reclassification into groups [C05G 5/14](#).
Groups [C05G 5/00](#), [C05G 5/12](#), and [C05G 5/14](#) should be considered in order to perform a complete search.
- N C05G 5/14 • • Tablets, spikes, rods, blocks or balls
- WARNING
Group [C05G 5/14](#) is incomplete pending reclassification of documents from groups [C05G 5/00](#), [C05G 5/12](#), and [C05G 5/45](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N C05G 5/16 • • Films or sheets; Webs; Fibres
- WARNING
Group [C05G 5/16](#) is incomplete pending reclassification of documents from group [C05G 5/00](#) and [C05G 5/45](#).

Groups [C05G 5/00](#), [C05G 5/45](#), and [C05G 5/16](#) should be considered in order to perform a complete search.

N C05G 5/18

- Semi-solid fertilisers, e.g. foams or gels

WARNING

Group [C05G 5/18](#) is incomplete pending reclassification of documents from groups [C05G 5/00](#) and [C05G 5/45](#).

Groups [C05G 5/00](#), [C05G 5/45](#), and [C05G 5/18](#) should be considered in order to perform a complete search.

Q C05G 5/20

- Liquid fertilisers (layered or coated [C05G 5/30](#); incorporated into a matrix [C05G 5/40](#))

WARNING

Group [C05G 5/20](#) is impacted by reclassification into groups [C05G 5/23](#), [C05G 5/27](#), [C05G 5/30](#), and [C05G 5/40](#).

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

N C05G 5/23

- Solutions

WARNING

Group [C05G 5/23](#) is incomplete pending reclassification of documents from group [C05G 5/20](#).

Groups [C05G 5/20](#) and [C05G 5/23](#) should be considered in order to perform a complete search.

N C05G 5/27

- Dispersions, e.g. suspensions or emulsions

WARNING

Group [C05G 5/27](#) is incomplete pending reclassification of documents from group [C05G 5/20](#).

Groups [C05G 5/20](#) and [C05G 5/27](#) should be considered in order to perform a complete search.

N C05G 5/30

- Layered or coated, e.g. dust-preventing coatings

NOTE

{Apparatus for applying layers or coatings are classified in this group}

WARNING

Group [C05G 5/30](#) is incomplete pending reclassification of documents from group [C05G 5/00](#), [C05G 5/20](#), and [C05G 5/45](#).

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

N C05G 5/35

- Capsules, e.g. core-shell

N C05G 5/36

- {layered or coated with sulfur}

N C05G 5/37

- {layered or coated with a polymer}

N C05G 5/38

- {layered or coated with wax or resins}

N C05G 5/40

- Fertilisers incorporated into a matrix

WARNING

Group [C05G 5/40](#) is incomplete pending reclassification of documents from group [C05G 5/00](#) and [C05G 5/20](#).

Groups [C05G 5/00](#), [C05G 5/20](#), and [C05G 5/40](#) should be considered in order to perform a complete search.

Q C05G 5/45

- {Form not covered by groups [C05G 5/10](#) - [C05G 5/18](#), [C05G 5/20](#) - [C05G 5/27](#), [C05G 5/30](#) - [C05G 5/38](#) or [C05G 5/40](#), e.g. soluble or permeable packaging}

WARNING

Group [C05G 5/45](#) is impacted by reclassification into groups [C05G 5/14](#), [C05G 5/16](#), [C05G 5/18](#), and [C05G 5/30](#).

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

Project: MP0458 (C08F)

M C08F

MACROMOLECULAR COMPOUNDS OBTAINED BY REACTIONS ONLY INVOLVING CARBON-TO-CARBON UNSATURATED BONDS**NOTES**

1. In this subclass, boron or silicon are considered as metals.
2. In this subclass, the following expression is used with the meaning indicated:
 - "aliphatic radical" means an acyclic or a non-aromatic carbocyclic carbon skeleton which is considered to be terminated by every bond to:
 - a. an element other than carbon;
 - b. a carbon atom having a double bond to one atom other than carbon;
 - c. an aromatic carbocyclic ring or a heterocyclic ring.
 Examples: Polymers of
 - a. $\text{CH}_2=\text{CH}-\text{O}-\text{CH}_2-\text{CH}_2-\text{NH}-\text{COO}-\text{CH}_2-\text{CH}_2-\text{OH}$ are classified in group [C08F 16/28](#);
 - b. $\text{CH}_2=\text{CH}-\text{C}(=\text{O})-\text{CH}=\text{CH}_2$ are classified in group [C08F 16/36](#)
 - c. $\text{para-C}_6\text{H}_4\text{Cl}(\text{CH}=\text{CH}_2)$ are classified in group [C08F 12/18](#).
3. Therapeutic activity of compounds is further classified in subclass [A61P](#).
4. In this subclass, **the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, a catalyst or a polymer is classified in the scheme or definitions, classification is made** in the last appropriate place.
5. In this subclass:
 - a. macromolecular compounds and their preparation are classified in the groups for the type of compound prepared. General processes for the preparation of macromolecular compounds according to more than one main group are classified in groups [C08F 2/00-C08F 8/00](#) for the processes employed. Processes for the preparation of macromolecular compounds are also classified in the groups for the types of reactions employed, if of interest;
 - b. subject matter relating to both homopolymers and copolymers is classified in groups [C08F 10/00-C08F 38/00](#);
 - c. subject matter limited to homopolymers is classified only in groups [C08F 110/00-C08F 138/00](#);
 - d. subject matter limited to copolymers is classified only in groups [C08F 210/00-C08F 246/00](#);
 - e. in groups [C08F 210/00-C08F 238/00](#), in the absence of an indication to the contrary, a copolymer is classified according to the major monomeric component.
6. This subclass covers also compositions based on monomers which form macromolecular compounds classifiable in this subclass. In this subclass:
 - a. if the monomers are defined, classification is made according to the polymer to be formed:
 - in groups [C08F 10/00-C08F 246/00](#) if no preformed polymer is present;
 - in groups [C08F 251/00 - C08F 291/00](#) if a preformed polymer is present, considering **{or not}** the reaction to take place as a graft or cross-linking reaction;

- b. if the presence of compounding ingredients is of interest, classification is made in group [C08F 2/44](#)
- c. if the compounding ingredients are of interest *per se*, classification is also made in subclass [C08K](#).

7. {In this subclass, combination sets [C-Sets] are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions}

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.

M C08F 2/00

Processes of polymerisation

NOTE

Group {In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).} [C08F 2/00](#) and subgroups can be incomplete according to the following classification rules:

- if a process of polymerisation is specifically used for only one type of polymer, it is not classified in [C08F 2/00](#);
- in such a case, the classification symbol of [C08F 2/00](#) providing for the process of polymerisation may be used in the form of Combination Set in the groups providing for the polymer, e.g. ([C08F 36/04](#), [C08F 2/14](#))
- this method of classification is applied only when a note after the group providing for the polymer explicitly indicates which symbols of [C08F 2/00](#) may be used for forming the Combination Set.

M C08F 4/00

Polymerisation catalysts (**catalysts in general B01J**)

NOTE

1. **Group** {In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).} [C08F 4/00](#) and subgroups can be incomplete according to the following classification rules:

- if a catalyst is specifically used for only one type of polymer, it is not classified in [C08F 4/00](#);
- in such a case, the classification symbol of [C08F 4/00](#) providing for the catalyst may be used as a symbol for a C-Set in the groups providing for the polymer, e.g. ([C08F 12/04](#), [C08F 4/62](#))
- this method of classification is applied only when a note after the group providing for the polymer explicitly indicates which symbols of [C08F 4/00](#) may be used for forming the C-set.

2. When classifying in group [C08F 4/00](#), the type of catalyst can be further indexed by using indexing codes chosen from [C08F 2410/00](#), [C08F 2420/00](#) or their subgroups

U C08F 4/42

- Metals; Metal hydrides; Metallo-organic compounds; Use thereof as catalyst precursors

U C08F 4/44

- selected from light metals, zinc, cadmium, mercury, copper, silver, gold, boron, gallium, indium, thallium, rare earths or actinides

- M C08F 4/60
- • • together with refractory metals, iron group metals, platinum group metals, manganese, rhenium {technetium} or compounds thereof
- NOTES**
1. In groups C08F 4/602-C08F 4/62, the following term is used with the meaning indicated: "component" comprises a transition metal or a compound thereof, pretreated or not.
 2. (In groups C08F 4/602-C08F 4/619, the group C08F 4/60003 takes precedence)
- M C08F 4/62
- • • Refractory metals or compounds thereof
- NOTE**
- Group C08F 4/62003 takes precedence over groups C08F 4/622-C08F 4/639
- M C08F 6/00
- Post-polymerisation treatments (C08F 8/00 takes precedence; of conjugated diene rubbers C08C)**
- NOTE**
1. {In groups this C08F 6/00-group, C-Sets C08F 6/28 the treatment of specific polymers is indicated using the subdivision of C08L 23/00 - C08L 57/12 in the form of are used. The detailed information about the C-Sets. Example: (construction and C08F 6/12, the C08L 25/06) associated syntax rules is present in the Definitions of C08F.}
 2. Groups C08F 6/001, C08F 6/006, C08F 6/008, C08F 6/02, C08F 6/04 take precedence over the other groups:
- M C08F 6/06
- Treatment of polymer solutions {(C08F 6/001, C08F 6/006, C08F 6/008, C08F 6/02, C08F 6/04 take precedence)}
- M C08F 6/10
- • Removal of volatile materials, e.g. monomers, solvents solvents {(C08F 6/001, C08F 6/003, C08F 6/005, C08F 6/006, C08F 6/008, C08F 6/02, C08F 6/04 take precedence)}
- M C08F 6/14
- Treatment of polymer emulsions {(C08F 6/001, C08F 6/006, C08F 6/008, C08F 6/02, C08F 6/04 take precedence)}
- M C08F 6/24
- Treatment of polymer suspensions {(C08F 6/001, C08F 6/006, C08F 6/008, C08F 6/02, C08F 6/04 take precedence)}
- M C08F 6/26
- Treatment of polymers prepared in bulk {also solid polymers or polymer melts}, (C08F 6/001, C08F 6/006, C08F 6/008, C08F 6/02, C08F 6/04 take precedence)}
- M C08F 8/00
- Chemical modification by after-treatment (graft polymers, block polymers, crosslinking with unsaturated monomers or with polymers C08F 251/00 - C08F 299/00; of conjugated diene rubbers C08C; crosslinking in general C08J)**
- NOTE**
- Classification is given in the form of {In this group, C-Sets when sufficient information is provided concerning the polymer to be modified. In groups are used. The detailed C08F 8/00-information about C08F 8/50, the chemical modification of specific polymers is indicated using the subdivisions of the C08F 10/00 C-Sets C08F 34/04, construction C08F 38/00 - C08F 38/04, C08F 110/00 - C08F 134/04, C08F 138/00 - C08F 138/04, C08F 210/00 - C08F 234/04, C08F 238/00 - C08F 299/08. Example: (C08F 8/44, C08F 16/06) Otherwise, only and the C08F 8/00-associated syntax C08F 8/50 symbol(s) is (are) given rules is present in the Definitions of C08F.-}
- M C08F 8/30
- Introducing nitrogen atoms or nitrogen-containing groups (polymeric products of isocyanates or thiocyanates C08G)

M C08F 10/00 Homopolymers and copolymers of unsaturated aliphatic hydrocarbons having only one carbon-to-carbon double bond

NOTE

{In groups [this C08F 10/00-group](#), [C-Sets C08F 10/14](#) the method of polymerisation or the nature of the catalyst may be indicated using the subdivision of [are used](#). The detailed information about the [C08F 2/00-C08F 2/58](#) or of [C08F 4/00-C08F 4/82](#) in the form of C-Sets. Example: ([construction and C08F 10/02](#), the [C08F 4/651](#)) associated syntax rules is present in the Definitions of [C08F](#).}

M C08F 12/00 Homopolymers and copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an aromatic carbocyclic ring

NOTE

1. Until March 2012, in groups *{In this group, [C08F 12/04-C08F 12/08](#) the method of polymerisation might be indicated using the subdivision of [C08F 2/02-C08F 2/06](#), [C08F 2/16-C08F 2/30](#), [C08F 2/34](#) or [C08F 2/38-C08F 2/46](#) in the form of C-sets; the nature of the catalyst might be indicated using the subdivision of [C08F 4/00-C08F 4/60](#), [C08F 4/62](#), [C08F 4/64](#) or [C08F 4/68-C08F 4/82](#) in the form of C-Sets are used. The detailed information about the C-Sets. Example: ([construction and C08F 12/08](#), the [C08F 2/20](#)) associated syntax rules is present in the Definitions of [C08F](#).}*

2. From April 2012 on, in groups [C08F 12/00-C08F 12/36](#) the method of polymerisation may be indicated using the subdivision of [C08F 2/00-C08F 2/60](#) in the form of C-Sets; the nature of the catalyst may be indicated using the subdivision of [C08F 4/00-C08F 4/82](#) in the form of C-Sets. Example: ([C08F 12/08](#), [C08F 2/56](#))

Project: RP0139 (C08F)

- U C08F 12/02 • Monomers containing only one unsaturated aliphatic radical
- U C08F 12/04 • • containing one ring
- U C08F 12/14 • • • substituted by hetero atoms or groups containing heteroatoms
- C C08F 12/16 • • • • Halogens

WARNING

Group [C08F 12/16](#) is impacted by reclassification into group [C08F 12/21](#). Groups [C08F 12/16](#) and [C08F 12/21](#) should be considered in order to perform a complete search.

- U C08F 12/18 • • • • Chlorine
- U C08F 12/20 • • • • Fluorine
- N C08F 12/21 • • • • {Bromine}

WARNING

Group [C08F 12/21](#) is incomplete pending reclassification of documents from group [C08F 12/16](#). Groups [C08F 12/16](#) and [C08F 12/21](#) should be considered in order to perform a complete search.

Project: MP0458 (C08F)

- M C08F 14/00** Homopolymers and copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a halogen
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}
- U C08F 14/02 · Monomers containing chlorine
- U C08F 14/04 · · Monomers containing two carbon atoms
- M C08F 14/06 · · · Vinyl chloride
- NOTE
In-group C08F 14/06 the method of polymerisation may be indicated using the subdivision of C08F 2/02 – C08F 2/06, C08F 2/16 – C08F 2/30, C08F 2/34 or C08F 2/38 – C08F 2/46 in the form of C-Sets. Example: (C08F 14/06, C08F 2/44)
- M C08F 14/18 · Monomers containing fluorine
- NOTE
In-group C08F 14/18 and subgroups, the method of polymerisation may be indicated using the subdivision of C08F 2/02, C08F 2/04, C08F 2/16, C08F 2/38, C08F 2/44 and C08F 2/46 in the form of C-Sets. Example: (C08F 14/22, C08F 2/38)
- M C08F 16/00** Homopolymers and copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an alcohol, ether, aldehydo, ketonic, acetal or ketal radical
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}
- M C08F 18/00** Homopolymers and copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an acyloxy radical of a saturated carboxylic acid, of carbonic acid or of a haloformic acid
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}
- M C08F 20/00** Homopolymers and copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and only one being terminated by only one carboxyl radical or a salt, anhydride, ester, amide, imide or nitrile thereof
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}
- U C08F 20/02 · Monocarboxylic acids having less than ten carbon atoms, Derivatives thereof

M C08F 20/10 • • Esters

NOTE

In groups C08F 20/12 – C08F 20/14 the method of polymerisation may be indicated using the subdivision of C08F 2/02 – C08F 2/06, C08F 2/16 – C08F 2/30, C08F 2/34 or C08F 2/38 – C08F 2/46 in the form of C-Sets. Example: (C08F 20/12, C08F 2/26)

Project: RP0139 (C08F)

- U C08F 20/12 • • • of monohydric alcohols or phenols
- M C08F 20/14 • • • • Methyl esters {, e.g. methyl (meth)acrylate}
- M C08F 20/20 • • • of polyhydric alcohols or phenols {polyhydric} phenols {, e.g. 2-hydroxyethyl (meth)acrylate or glycerol mono-(meth)acrylate}
- M C08F 20/34 • • • Esters containing nitrogen {, e.g. N,N-dimethylaminoethyl (meth)acrylate}
- M C08F 20/36 • • • • containing oxygen in addition to the carboxy oxygen {, e.g. 2-N-morpholinoethyl (meth)acrylate or 2-isocyanatoethyl (meth)acrylate}
- M C08F 20/40 • • • Esters of unsaturated alcohols {, e.g. allyl (meth)acrylate}

Project: MP0458 (C08F)

- U C08F 20/42 • • Nitriles
- M C08F 20/44 • • • Acrylonitrile

NOTE

In group C08F 20/44 the method of polymerisation may be indicated using the subdivision of C08F 2/02 – C08F 2/06, C08F 2/16 – C08F 2/30, C08F 2/34 or C08F 2/38 – C08F 2/46 in the form of C-Sets. Example: (C08F 20/44, C08F 2/46)

Project: RP0139 (C08F)

- U C08F 20/52 • • Amides or imides
- M C08F 20/54 • • • Amides {, e.g. N,N-dimethylacrylamide or N-isopropylacrylamide}
- M C08F 20/58 • • • • containing oxygen in addition to the carbonamido oxygen {, e.g. N-methylolacrylamide, N-acryloylmorpholine}

Project: MP0458 (C08F)

- M C08F 22/00 Homopolymers and copolymers of compounds having one or more unsaturated aliphatic radicals each having only one carbon-to-carbon double bond, and at least one being terminated by a carboxyl radical and containing at least one other carboxyl radical in the molecule; Salts, anhydrides, esters, amides, imides or nitriles thereof

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

Project: RP0139 (C08F)

- M C08F 22/02 • Acids; Metal salts or ammonium salts thereof {, e.g. maleic acid or itaconic acid}
- U C08F 22/10 • Esters
- N C08F 22/1006 • • {of polyhydric alcohols or polyhydric phenols, e.g. ethylene glycol dimethacrylate}

- D C08F 22/105
- {of polyhydric alcohols or polyhydric phenols, e.g. ethylene glycol dimethacrylate}
- <administratively transferred to [C08F 22/1006](#)>
- M C08F 22/12
- of phenols or saturated alcohols {([C08F 22/105](#) [C08F 22/1006](#) takes precedence)}
- M C08F 22/26
- of unsaturated alcohols {([C08F 22/105](#) [C08F 22/1006](#) takes precedence)}

Project: MP0458 (C08F)

- M C08F 24/00
- Homopolymers and copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a heterocyclic ring containing oxygen (cyclic esters of polyfunctional acids [C08F 18/00](#); cyclic anhydrides of unsaturated acids [C08F 20/00](#), [C08F 22/00](#))**

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 26/00
- Homopolymers and copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a single or double bond to nitrogen or by a heterocyclic ring containing nitrogen**

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 28/00
- Homopolymers and copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a bond to sulfur or by a heterocyclic ring containing sulfur**

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 30/00
- Homopolymers and copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and containing phosphorus, selenium, tellurium or a metal (metal salts, e.g. phenolates or alcoholates, see the parent compounds)**

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 32/00
- Homopolymers and copolymers of cyclic compounds having no unsaturated aliphatic radicals in a side chain, and having one or more carbon-to-carbon double bonds in a carbocyclic ring system**

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 34/00** Homopolymers and copolymers of cyclic compounds having no unsaturated aliphatic radicals in a side chain and having one or more carbon-to-carbon double bonds in a heterocyclic ring (cyclic esters of polyfunctional acids [C08F 18/00](#); cyclic anhydrides or imides [C08F 22/00](#))

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 36/00** Homopolymers and copolymers of compounds having one or more unsaturated aliphatic radicals, at least one having two or more carbon-to-carbon double bonds ([C08F 32/00](#) takes precedence)

NOTE

{In [C08F 36/00](#) - this group, [C08F 36/22](#) the method of polymerisation may be indicated using the subdivision of [C08F 2/00](#) - [C08F 2/58](#) in the form of C-Sets; the nature of the catalyst may be indicated using the subdivision of [C08F 4/00](#) - [C08F 4/60](#), [C08F 4/62](#), [C08F 4/64](#), [C08F 4/642](#), [C08F 4/6421](#), [C08F 4/643](#) or [C08F 4/68](#) - [C08F 4/82](#) in the form of are used. The detailed information about the C-Sets. Example: (construction and [C08F 36/04](#), the [C08F 4/642](#)) associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 38/00** Homopolymers and copolymers of compounds having one or more carbon-to-carbon triple bonds

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 110/00** Homopolymers of unsaturated aliphatic hydrocarbons having only one carbon-to-carbon double bond

NOTE

{In groups this [C08F 110/00](#) - group, C-Sets [C08F 110/14](#) the method of polymerisation or the nature of the catalyst may be indicated using the subdivision of are used. The detailed information about the [C08F 2/00](#) - [C08F 2/58](#) or of [C08F 4/00](#) - [C08F 4/82](#) in the form of C-Sets. Example: (construction and [C08F 110/14](#), the [C08F 4/6592](#)) associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 112/00** Homopolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an aromatic carbocyclic ring

NOTE

From April 2012 on, in groups {In this group, [C08F 112/00](#) - [C08F 112/36](#) the method of polymerisation may be indicated using the subdivision of [C08F 2/00](#) - [C08F 2/60](#) in the form of C-Sets; the nature of the catalyst may be indicated using the subdivision of [C08F 4/00](#) - [C08F 4/82](#) in the form of are used. The detailed information about the C-Sets. Example: (construction and [C08F 112/08](#), the [C08F 4/70](#)) associated syntax rules is present in the Definitions of [C08F](#).}

Project: RP0139 (C08F)

- U C08F 112/02 • Monomers containing only one unsaturated aliphatic radical
- U C08F 112/04 • • containing one ring

- C C08F 112/14 . . . substituted by hetero atoms or groups containing heteroatoms
- WARNING**
 Group C08F 112/14 is impacted by reclassification into groups C08F 112/16, C08F 112/18, C08F 112/20, C08F 112/21, C08F 112/22, C08F 112/24, C08F 112/26, C08F 112/28, and C08F 112/30. All groups listed in this Warning should be considered in order to perform a complete search.
- N C08F 112/16 {Halogens}
- WARNING**
 Groups C08F 112/16, C08F 112/18, C08F 112/20 and C08F 112/21 are incomplete pending reclassification of documents from group C08F 112/14. All groups listed in this Warning should be considered in order to perform a complete search.
- N C08F 112/18 {Chlorine}
- N C08F 112/20 {Fluorine}
- N C08F 112/21 {Bromine}
- N C08F 112/22 {Oxygen}
- WARNING**
 Groups C08F 112/22 and C08F 112/24 are incomplete pending reclassification of documents from group C08F 112/14. All groups listed in this Warning should be considered in order to perform a complete search.
- N C08F 112/24 {Phenols or alcohols}
- N C08F 112/26 {Nitrogen}
- WARNING**
 Groups C08F 112/26 and C08F 112/28 are incomplete pending reclassification of documents from group C08F 112/14. All groups listed in this Warning should be considered in order to perform a complete search.
- N C08F 112/28 {Amines}
- N C08F 112/30 {Sulfur}
- WARNING**
 Group C08F 112/30 is incomplete pending reclassification of documents from group C08F 112/14. Groups C08F 112/14 and C08F 112/30 should be considered in order to perform a complete search.

Project: MP0458 (C08F)

- M C08F 114/00 Homopolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a halogen

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

M C08F 116/00 Homopolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an alcohol, ether, aldehyde, ketonic, acetal or ketal radical

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

M C08F 118/00 Homopolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an acyloxy radical of a saturated carboxylic acid, of carbonic acid or of a haloformic acid

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

M C08F 120/00 Homopolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and only one being terminated by only one carboxyl radical or a salt, anhydride, ester, amide, imide or nitrile thereof

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

Project: RP0139 (C08F)

- U C08F 120/02 · Monocarboxylic acids having less than ten carbon atoms; Derivatives thereof
- U C08F 120/10 · · Esters
- U C08F 120/12 · · · of monohydric alcohols or phenols
- M C08F 120/14 · · · · Methyl esters *{, e.g. methyl (meth)acrylate}*
- M C08F 120/20 · · · of polyhydric alcohols or phenols *{polyhydric} phenols {, e.g. 2-hydroxyethyl (meth)acrylate or glycerol mono-(meth)acrylate}*
- M C08F 120/34 · · · Esters containing nitrogen *{, e.g. N,N-dimethylaminoethyl (meth)acrylate}*
- M C08F 120/36 · · · · containing oxygen in addition to the carboxy oxygen *{, e.g. 2-N-morpholinoethyl (meth)acrylate or 2-isocyanatoethyl (meth)acrylate}*
- M C08F 120/40 · · · Esters of unsaturated alcohols *{, e.g. allyl (meth)acrylate}*
- U C08F 120/52 · · Amides or imides
- M C08F 120/54 · · · Amides *{, e.g. N,N-dimethylacrylamide or N-isopropylacrylamide}*
- M C08F 120/58 · · · · containing oxygen in addition to the carbonamido oxygen *{, e.g. N-methylolacrylamide, N-acryloyl morpholine}*

Project: MP0458 (C08F)

- M C08F 122/00** Homopolymers of compounds having one or more unsaturated aliphatic radicals each having only one carbon-to-carbon double bond, and at least one being terminated by a carboxyl radical and containing at least one other carboxyl radical in the molecule; Salts, anhydrides, esters, amides, imides or nitriles thereof

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

Project: RP0139 (C08F)

- M C08F 122/02** • Acids; Metal salts or ammonium salts thereof *{, e.g. maleic acid or itaconic acid}*
- U C08F 122/10** • Esters
- N C08F 122/1006** • • *{of polyhydric alcohols or polyhydric phenols, e.g. ethylene glycol dimethacrylate}*
- D C08F 122/105** • • *{of polyhydric alcohols or polyhydric phenols, e.g. ethylene glycol dimethacrylate}*
<administratively transferred to [C08F 122/1006](#)>
- M C08F 122/12** • • of phenols or saturated alcohols *{(~~C08F 122/105~~ [C08F 122/1006](#) takes precedence)}*
- M C08F 122/26** • • of unsaturated alcohols *{(~~C08F 122/105~~ [C08F 122/1006](#) takes precedence)}*

Project: MP0458 (C08F)

- M C08F 124/00** Homopolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a heterocyclic ring containing oxygen (cyclic esters of polyfunctional acids [C08F 118/00](#); cyclic anhydrides of unsaturated acids [C08F 120/00](#), [C08F 122/00](#))

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

- M C08F 126/00** Homopolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a single or double bond to nitrogen or by a heterocyclic ring containing nitrogen

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

- M C08F 128/00** Homopolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a bond to sulfur or by a heterocyclic ring containing sulfur

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

- M C08F 130/00** Homopolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and containing phosphorus, selenium, tellurium or a metal (metal salts, e.g. phenolates or alcoholates, see the parent compounds)
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}
- M C08F 132/00** Homopolymers of cyclic compounds containing no unsaturated aliphatic radicals in a side chain, and having one or more carbon-to-carbon double bonds in a carbocyclic ring system
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}
- M C08F 134/00** Homopolymers of cyclic compounds having no unsaturated aliphatic radicals in a side chain and having one or more carbon-to-carbon double bonds in a heterocyclic ring (cyclic esters of polyfunctional acids [C08F 118/00](#); cyclic anhydrides or imides [C08F 122/00](#))
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}
- M C08F 136/00** Homopolymers of compounds having one or more unsaturated aliphatic radicals, at least one having two or more carbon-to-carbon double bonds ([C08F 132/00](#) takes precedence)
- NOTE
{In ~~C08F 136/00~~ this group, ~~C08F 136/22~~ the method of polymerisation may be indicated using the subdivision of ~~C08F 2/00~~ - ~~C08F 2/58~~ in the form of C-Sets; the nature of the catalyst may be indicated using the subdivision of ~~C08F 4/00~~ - ~~C08F 4/60~~, ~~C08F 4/62~~, ~~C08F 4/64~~, ~~C08F 4/642~~, ~~C08F 4/6421~~, ~~C08F 4/643~~ or ~~C08F 4/68~~ - ~~C08F 4/82~~ in the form of ~~are used~~. The detailed information about the C-Sets. Example: (~~construction and C08F-136/18~~, ~~the C08F-2/26~~) associated syntax rules is present in the Definitions of C08F.}
- M C08F 138/00** Homopolymers of compounds having one or more carbon-to-carbon triple bonds
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}
- M C08F 210/00** Copolymers of unsaturated aliphatic hydrocarbons having only one carbon-to-carbon double bond
- NOTE
{In ~~C08F 210/00~~ this group, ~~C08F 210/18~~ the method of polymerisation or the nature of the catalyst may be indicated using the subdivision of ~~C08F 2/00~~ - ~~C08F 2/58~~ or of ~~C08F 4/00~~ - ~~C08F 4/82~~ in the form of ~~C-Sets are used~~. The detailed information about the C-Sets. Example: (~~construction and~~

C08F 210/06, the C08F 4/04 associated syntax rules is present in the Definitions of C08F.

M C08F 212/00

Copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an aromatic carbocyclic ring

NOTE

From April 2012 on, in groups {In this group, C08F 212/00 - C08F 212/36 the method of polymerisation may be indicated using the subdivision of C08F 2/00 - C08F 2/60 in the form of C-Sets; the nature of the catalyst may be indicated using the subdivision of C08F 4/00 - C08F 4/82 in the form of are used. The detailed information about the C-Sets. Example: (construction and C08F 212/08, the C08F 4/16) associated syntax rules is present in the Definitions of C08F.

Project: RP0139 (C08F)

- U C08F 212/02 • Monomers containing only one unsaturated aliphatic radical
- U C08F 212/04 • • containing one ring
- C C08F 212/14 • • • substituted by heteroatoms or groups containing heteroatoms

WARNING

Group C08F 212/14 is impacted by reclassification into groups C08F 212/16, C08F 212/18, C08F 212/20, C08F 212/21, C08F 212/22, C08F 212/24, C08F 212/26, C08F 212/28 and C08F 212/30.

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

- D C08F 212/145 • • • • {the heteroatoms being part of ester groups derived from unsaturated acids}
- <administratively transferred to [C08F 212/22](#)>

- N C08F 212/16 • • • • {Halogens}

WARNING

Groups [C08F 212/16](#), [C08F 212/18](#), [C08F 212/20](#) and [C08F 212/21](#) are incomplete pending reclassification of documents from group [C08F 212/14](#).

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

- N C08F 212/18 • • • • • {Chlorine}

- N C08F 212/20 • • • • • {Fluorine}

- N C08F 212/21 • • • • • {Bromine}

- N C08F 212/22 • • • • • {Oxygen}

WARNING

Groups [C08F 212/22](#) and [C08F 212/24](#) are incomplete pending reclassification of documents from group [C08F 212/14](#).

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

- N C08F 212/24 • • • • • {Phenols or alcohols}

- N C08F 212/26 • • • • • {Nitrogen}

WARNING

Groups [C08F 212/26](#) and [C08F 212/28](#) are incomplete pending reclassification of documents from group [C08F 212/14](#).

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

- N C08F 212/28 {Amines}
- N C08F 212/30 {Sulfur}

WARNING

Group [C08F 212/30](#) is incomplete pending reclassification of documents from group [C08F 212/14](#).

Groups [C08F 212/14](#) and [C08F 212/30](#) should be considered in order to perform a complete search.

Project: MP0458 (C08F)

- M C08F 214/00 Copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a halogen

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 216/00 Copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an alcohol, ether, aldehydo, ketonic, acetal or ketal radical

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

Project: RP0139 (C08F)

- U C08F 216/02 . by an alcohol radical
- U C08F 216/04 . . Acyclic compounds
- C C08F 216/08 . . . Allyl alcohol

WARNING

Group [C08F 216/08](#) is impacted by reclassification into group [C08F 216/085](#).

Groups [C08F 216/08](#) and [C08F 216/085](#) should be considered in order to perform a complete search.

- D C08F 2216/085 {Allyl alcohol alkoxylate}
<administratively transferred to [C08F 216/085](#)>
- N C08F 216/085 {Allyl alcohol alkoxylate}

WARNING

Group [C08F 216/085](#) is incomplete pending reclassification of documents from group [C08F 216/08](#).

Groups [C08F 216/08](#) and [C08F 216/085](#) should be considered in order to perform a complete search.

- U C08F 216/12 . by an ether radical
- M C08F 216/125 . . {**monomers** *Monomers* containing two or more unsaturated aliphatic radicals, e.g. *trimethylolpropane triallyl ether or pentaerythritol triallyl ether*}

- U C08F 216/14 . . . Monomers containing only one unsaturated aliphatic radical
- C C08F 216/1416 . . . {Monomers containing oxygen in addition to the ether oxygen, e.g. *allyl glycidyl ether*}
- WARNING**
Group [C08F 216/1416](#) is impacted by reclassification into groups [C08F 216/1425](#), [C08F 216/1433](#), [C08F 216/1441](#) and [C08F 216/145](#). All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2216/1425 . . . {Monomers containing side chains of polyether groups}
<administratively transferred to [C08F 216/1425](#)>
- N C08F 216/1425 . . . {Monomers containing side chains of polyether groups}
- WARNING**
Groups [C08F 216/1425](#), [C08F 216/1433](#), [C08F 216/1441](#) and [C08F 216/145](#) are incomplete pending reclassification of documents from group [C08F 216/1416](#). All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2216/1425 . . . {Monomers containing side chains of polyether groups}
<administratively transferred to [C08F 216/1425](#)>
- N C08F 216/1425 . . . {Monomers containing side chains of polyether groups}
- D C08F 2216/1433 . . . {Monomers containing side chains of polyethyleneoxide groups}
<administratively transferred to [C08F 216/1433](#)>
- N C08F 216/1433 . . . {Monomers containing side chains of polyethylene oxide groups}
- D C08F 2216/1441 . . . {Monomers containing side chains of polypropyleneoxide groups}
<administratively transferred to [C08F 216/1441](#)>
- N C08F 216/1441 . . . {Monomers containing side chains of polypropylene oxide groups}
- D C08F 2216/145 . . . {Monomers containing side chains of polyethylene-co-propyleneoxide groups}
<administratively transferred to [C08F 216/145](#)>
- N C08F 216/145 . . . {Monomers containing side chains of polyethylene-co-propylene oxide groups}
- C C08F 216/1466 . . . {Monomers containing sulfur}
- WARNING**
Group [C08F 216/1466](#) is impacted by reclassification into groups [C08F 216/1475](#), [C08F 216/1483](#) and [C08F 216/1491](#). All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2216/1475 . . . {Monomers containing sulfur and oxygen}
<administratively transferred to [C08F 216/1475](#)>
- N C08F 216/1475 . . . {Monomers containing sulfur and oxygen}
- WARNING**
Groups [C08F 216/1475](#), [C08F 216/1483](#) and [C08F 216/1491](#) are incomplete pending reclassification of documents from group [C08F 216/1466](#). All groups listed in this warning should be considered in order to perform a complete search.
- D C08F 2216/1483 . . . {Monomers containing sulfur and nitrogen}
<administratively transferred to [C08F 216/1483](#)>
- N C08F 216/1483 . . . {Monomers containing sulfur and nitrogen}

- D C08F 2216/1491 {Monomers containing sulfur, oxygen and nitrogen}
 <administratively transferred to [C08F 216/1491](#)>
- N C08F 216/1491 {Monomers containing sulfur, oxygen and nitrogen}

Project: MP0458, RP0139 (C08F)

- C C08F 218/00 Copolymers **{of compounds}** having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an acyloxy radical of a saturated carboxylic acid, of carbonic acid or of a haloformic acid

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

WARNING

Group C08F 218/00 is impacted by reclassification into groups [C08F 218/20](#), [C08F 218/22](#) and [C08F 218/24](#).

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

Project: RP0139 (C08F)

- U C08F 218/14 . Esters of polycarboxylic acids
- U C08F 218/16 . . with alcohols containing three or more carbon atoms
- U C08F 218/18 . . . Diallyl phthalate
- D C08F 2218/20 . {Esters containing halogen}
 <administratively transferred to [C08F 218/20](#)>
- N C08F 218/20 . {Esters containing halogen}
- WARNING**
*Groups [C08F 218/20](#), [C08F 218/22](#) and [C08F 218/24](#) are incomplete pending reclassification of documents from group [C08F 218/00](#).
 All groups listed in this Warning should be considered in order to perform a complete search.*
- D C08F 2218/22 . {Esters containing nitrogen}
 <administratively transferred to [C08F 218/22](#)>
- N C08F 218/22 . {Esters containing nitrogen}
- D C08F 2218/24 . {Esters of carbonic or haloformic acids}
 <administratively transferred to [C08F 218/24](#)>
- N C08F 218/24 . {Esters of carbonic or haloformic acids, e.g. allyl carbonate}
- D C08F 2218/245 . . {Esters of carbonic or haloformic acids, e.g. allyl carbonate}
 <administratively transferred to [C08F 218/24](#)>

Project: MP0458 (C08F)

- M C08F 220/00** Copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and only one being terminated by only one carboxyl radical or a salt, anhydride ester, amide, imide or nitrile thereof

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

Project: RP0139 (C08F)

- U C08F 220/02 · Monocarboxylic acids having less than ten carbon atoms; Derivatives thereof
- U C08F 220/10 · · Esters
- U C08F 220/12 · · · of monohydric alcohols or phenols
- M C08F 220/14 · · · · Methyl esters { *e.g. methyl (meth)acrylate*}
- U C08F 220/16 · · · · of phenols or of alcohols containing two or more carbon atoms
- C C08F 220/18 · · · · · with acrylic or methacrylic acids

WARNING

Group C08F 220/18 is impacted by reclassification into groups C08F 220/1802, C08F 220/1803, C08F 220/1804, C08F 220/1805, C08F 220/1806, C08F 220/1807, C08F 220/1808, C08F 220/1809, C08F 220/1811, C08F 220/1812, and C08F 220/1818. All groups listed in this Warning should be considered in order to perform a complete search.

- N C08F 220/1802 · · · · · {C₂-(meth)acrylate, e.g. ethyl (meth)acrylate}

WARNING

Group C08F 220/1802 is incomplete pending reclassification of documents from group C08F 220/18. Groups C08F 220/18 and C08F 220/1802 should be considered in order to perform a complete search.

- N C08F 220/1803 · · · · · {C₃-(meth)acrylate, e.g. (iso)propyl (meth)acrylate}

WARNING

Group C08F 220/1803 is incomplete pending reclassification of documents from group C08F 220/18. Groups C08F 220/18 and C08F 220/1803 should be considered in order to perform a complete search.

- N C08F 220/1804 · · · · · {C₄-(meth)acrylate, e.g. butyl (meth)acrylate, isobutyl (meth)acrylate or tert-butyl (meth)acrylate}

WARNING

Group C08F 220/1804 is incomplete pending reclassification of documents from group C08F 220/18. Groups C08F 220/18 and C08F 220/1804 should be considered in order to perform a complete search.

- N C08F 220/1805 · · · · · {C₅-(meth)acrylate, e.g. pentyl (meth)acrylate}

WARNING

Group C08F 220/1805 is incomplete pending reclassification of documents from group C08F 220/18.

Groups [C08F 220/18](#) and [C08F 220/1805](#) should be considered in order to perform a complete search.

- N C08F 220/1806 {C₆-(meth)acrylate, e.g. (cyclo)hexyl (meth)acrylate or phenyl (meth)acrylate}
WARNING
Group [C08F 220/1806](#) is incomplete pending reclassification of documents from group [C08F 220/18](#).
Groups [C08F 220/18](#) and [C08F 220/1806](#) should be considered in order to perform a complete search.
- N C08F 220/1807 {C₇-(meth)acrylate, e.g. heptyl (meth)acrylate or benzyl (meth)acrylate}
WARNING
Group [C08F 220/1807](#) is incomplete pending reclassification of documents from group [C08F 220/18](#).
Groups [C08F 220/18](#) and [C08F 220/1807](#) should be considered in order to perform a complete search.
- D C08F 2220/1808 {Ethyl or undefined short-chain (meth)acrylate}
<administratively transferred to [C08F 220/18](#)>
- N C08F 220/1808 {C₈-(meth)acrylate, e.g. isooctyl (meth)acrylate or 2-ethylhexyl (meth)acrylate}
WARNING
Group [C08F 220/1808](#) is incomplete pending reclassification of documents from group [C08F 220/18](#).
Groups [C08F 220/18](#) and [C08F 220/1808](#) should be considered in order to perform a complete search.
- N C08F 220/1809 {C₉-(meth)acrylate}
WARNING
Group [C08F 220/1809](#) is incomplete pending reclassification of documents from group [C08F 220/18](#).
Groups [C08F 220/18](#) and [C08F 220/1809](#) should be considered in order to perform a complete search.
- N C08F 220/1811 {C₁₀ or C₁₁-(Meth)acrylate, e.g. isodecyl (meth)acrylate, isobornyl (meth)acrylate or 2-naphthyl (meth)acrylate}
WARNING
Group [C08F 220/1811](#) is incomplete pending reclassification of documents from group [C08F 220/18](#).
Groups [C08F 220/18](#) and [C08F 220/1811](#) should be considered in order to perform a complete search.
- N C08F 220/1812 {C₁₂-(meth)acrylate, e.g. lauryl (meth)acrylate}
WARNING
Group [C08F 220/1812](#) is incomplete pending reclassification of documents from group [C08F 220/18](#).
Groups [C08F 220/18](#) and [C08F 220/1812](#) should be considered in order to perform a complete search.
- D C08F 2220/1816 {Propyl(meth)acrylate}
<administratively transferred to [C08F 220/1803](#)>

- N C08F 220/1818 {C₁₃ or longer chain (meth)acrylate, e.g. stearyl (meth)acrylate}
- WARNING
Group [C08F 220/1818](#) is incomplete pending reclassification of documents from group [C08F 220/18](#).
Groups [C08F 220/18](#) and [C08F 220/1818](#) should be considered in order to perform a complete search.
- D C08F 2220/1825 {Butyl(meth)acrylate}
<administratively transferred to [C08F 220/1804](#)>
- D C08F 2220/1833 {Pentyl or undefined long chain (meth)acrylate}
<administratively transferred to [C08F 220/18](#)>
- D C08F 2220/1841 {Hexyl(meth)acrylate}
<administratively transferred to [C08F 220/1806](#)>
- D C08F 2220/185 {Heptyl(meth)acrylate}
<administratively transferred to [C08F 220/1807](#)>
- D C08F 2220/1858 {(iso)Octyl(meth)acrylate}
<administratively transferred to [C08F 220/1808](#)>
- D C08F 2220/1866 {C9-(meth)Acrylate}
<administratively transferred to [C08F 220/1809](#)>
- D C08F 2220/1875 {(iso)Decyl(meth)acrylate}
<administratively transferred to [C08F 220/1811](#)>
- D C08F 2220/1883 {Lauryl(meth)acrylate}
<administratively transferred to [C08F 220/1812](#)>
- D C08F 2220/1891 {Longer chain (meth)acrylate}
<administratively transferred to [C08F 220/1818](#)>
- M C08F 220/20 . . . of polyhydric alcohols or phenols {, e.g. 2-hydroxyethyl (meth)acrylate or glycerol mono-(meth)acrylate}
- U C08F 220/26 . . . Esters containing oxygen in addition to the carboxy oxygen
- C C08F 220/28 containing no aromatic rings in the alcohol moiety
- WARNING
Group [C08F 220/28](#) is impacted by reclassification into groups [C08F 220/281](#), [C08F 220/282](#), [C08F 220/283](#), [C08F 220/285](#), [C08F 220/286](#), [C08F 220/287](#) and [C08F 220/288](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2220/281 {and containing only one oxygen}
<administratively transferred to [C08F 220/281](#)>
- N C08F 220/281 {and containing only one oxygen, e.g. furfuryl (meth)acrylate or 2-methoxyethyl (meth)acrylate}
- WARNING
Group [C08F 220/281](#) is incomplete pending reclassification of documents from group [C08F 220/28](#).
[C08F 220/28](#) and [C08F 220/281](#) should be considered in order to perform a complete search.
- D C08F 2220/282 {and containing two or more oxygen atoms}
<administratively transferred to [C08F 220/282](#)>

- N C08F 220/282 {and containing two or more oxygen atoms}
WARNING
 Group [C08F 220/282](#) is incomplete pending reclassification of documents from group [C08F 220/28](#).
 Groups [C08F 220/28](#) and [C08F 220/282](#) should be considered in order to perform a complete search.
- D C08F 2220/283 {and containing one or more carboxylic moiety in the chain}
 <administratively transferred to [C08F 220/283](#)>
- N C08F 220/283 {and containing one or more carboxylic moiety in the chain, e.g. acetoacetoxyethyl(meth)acrylate}
WARNING
 Group [C08F 220/283](#) is incomplete pending reclassification of documents from group [C08F 220/28](#).
 Groups [C08F 220/28](#) and [C08F 220/283](#) should be considered in order to perform a complete search.
- D C08F 2220/285 {and containing an ether chain in the alcohol moiety}
 <administratively transferred to [C08F 220/285](#)>
- N C08F 220/285 {and containing a polyether chain in the alcohol moiety}
WARNING
 Groups [C08F 220/285](#), [C08F 220/286](#), [C08F 220/287](#) and [C08F 220/288](#) are incomplete pending reclassification of documents from group [C08F 220/28](#).
 All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2220/286 {and containing polyethylenoxide in the alcohol moiety}
 <administratively transferred to [C08F 220/286](#)>
- N C08F 220/286 {and containing polyethylene oxide in the alcohol moiety, e.g. methoxy polyethylene glycol (meth)acrylate}
- D C08F 2220/287 {and containing polypropylenoxide in the alcohol moiety}
 <administratively transferred to [C08F 220/287](#)>
- N C08F 220/287 {and containing polypropylene oxide in the alcohol moiety}
- D C08F 2220/288 {and containing polypropylen-co-ethylen oxide in the alcohol moiety}
 <administratively transferred to [C08F 220/288](#)>
- N C08F 220/288 {and containing polypropylene-co-ethylene oxide in the alcohol moiety}
- C C08F 220/30 containing aromatic rings in the alcohol moiety
WARNING
 Group [C08F 220/30](#) is impacted by reclassification into groups [C08F 220/301](#), [C08F 220/302](#), [C08F 220/303](#), [C08F 220/305](#), [C08F 220/306](#), [C08F 220/307](#) and [C08F 220/308](#).
 All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2220/301 {and one oxygen in the alcohol moiety}
 <administratively transferred to [C08F 220/301](#)>

- N C08F 220/301 {and one oxygen in the alcohol moiety}
WARNING
 Group [C08F 220/301](#) is incomplete pending reclassification of documents from group [C08F 220/30](#).
[C08F 220/30](#) and [C08F 220/301](#) should be considered in order to perform a complete search.
- D C08F 2220/302 {and two or more oxygen atoms in the alcohol moiety}
 <administratively transferred to [C08F 220/302](#)>
- N C08F 220/302 {and two or more oxygen atoms in the alcohol moiety}
WARNING
 Group [C08F 220/302](#) is incomplete pending reclassification of documents from group [C08F 220/30](#).
[C08F 220/30](#) and [C08F 220/302](#) should be considered in order to perform a complete search.
- D C08F 2220/303 {and one or more carboxylic moieties in the chain}
 <administratively transferred to [C08F 220/303](#)>
- N C08F 220/303 {and one or more carboxylic moieties in the chain}
WARNING
 Group [C08F 220/303](#) is incomplete pending reclassification of documents from group [C08F 220/30](#).
[C08F 220/30](#) and [C08F 220/303](#) should be considered in order to perform a complete search.
- D C08F 2220/305 {and ether chain in the alcohol moiety}
 <administratively transferred to [C08F 220/305](#)>
- N C08F 220/305 {and containing a polyether chain in the alcohol moiety}
WARNING
 Groups [C08F 220/305](#), [C08F 220/306](#), [C08F 220/307](#) and [C08F 220/308](#) are incomplete pending reclassification of documents from group [C08F 220/30](#).
 All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2220/306 {and polythyleneoxide chain in the alcohol moiety}
 <administratively transferred to [C08F 220/306](#)>
- N C08F 220/306 {and polyethylene oxide chain in the alcohol moiety}
- D C08F 2220/307 {and polypropylene oxide chain in the alcohol moiety}
 <administratively transferred to [C08F 220/307](#)>
- N C08F 220/307 {and polypropylene oxide chain in the alcohol moiety}
- D C08F 2220/308 {and polyethylene-co-propylene oxide chain in the alcohol moiety}
 <administratively transferred to [C08F 220/308](#)>
- N C08F 220/308 {and polyethylene-co-propylene oxide chain in the alcohol moiety}
- C C08F 220/32 containing epoxy radicals

WARNING

Group [C08F 220/32](#) is impacted by reclassification into group [C08F 220/325](#).

Groups [C08F 220/32](#) and [C08F 220/325](#) should be considered in order to perform a complete search.

- D C08F 2220/325 {containing glycidyl radical}
<administratively transferred to [C08F 220/325](#)>
- N C08F 220/325 {containing glycidyl radical, e.g. glycidyl (meth)acrylate}
WARNING
Group [C08F 220/325](#) is incomplete pending reclassification of documents from group [C08F 220/32](#).
Groups [C08F 220/32](#) and [C08F 220/325](#) should be considered in order to perform a complete search.
- C C08F 220/34 . . . Esters containing nitrogen {, e.g. *N,N*-dimethylaminoethyl (meth)acrylate}
WARNING
Group [C08F 220/34](#) is impacted by reclassification into groups [C08F 220/343](#) and [C08F 220/346](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2220/343 {in the form of urethane links}
<administratively transferred to [C08F 220/343](#)>
- N C08F 220/343 {in the form of urethane links}
WARNING
Groups [C08F 220/343](#) and [C08F 220/346](#) are incomplete pending reclassification of documents from group [C08F 220/34](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2220/346 {and further oxygen}
<administratively transferred to [C08F 220/346](#)>
- N C08F 220/346 {and further oxygen}
- C C08F 220/36 containing oxygen in addition to the carboxy oxygen {, e.g. *2-N-morpholinoethyl (meth)acrylate* or *2-isocyanatoethyl (meth)acrylate*}
WARNING
Group [C08F 220/36](#) is impacted by reclassification into group [C08F 220/365](#).
Groups [C08F 220/36](#) and [C08F 220/365](#) should be considered in order to perform a complete search.
- D C08F 2220/365 {containing further carboxylic moieties}
<administratively transferred to [C08F 220/365](#)>
- N C08F 220/365 {containing further carboxylic moieties}
WARNING
Group [C08F 220/365](#) is incomplete pending reclassification of documents from group [C08F 220/36](#).
Groups [C08F 220/36](#) and [C08F 220/365](#) should be considered in order to perform a complete search.
- C C08F 220/38 . . . Esters containing sulfur
WARNING
Group [C08F 220/38](#) is impacted by reclassification into groups [C08F 220/382](#), [C08F 220/385](#) and [C08F 220/387](#).
All groups listed in this Warning should be considered in order to perform a complete search.

- D C08F 2220/382 {and containing oxygen}
<administratively transferred to [C08F 220/382](#)>
- N C08F 220/382 {and containing oxygen, e.g. 2-sulfoethyl (meth)acrylate}
WARNING
Groups [C08F 220/382](#), [C08F 220/385](#) and [C08F 220/387](#) are incomplete pending reclassification of documents from group [C08F 220/38](#). All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2220/385 {and containing nitrogen}
<administratively transferred to [C08F 220/385](#)>
- N C08F 220/385 {and containing nitrogen}
- D C08F 2220/387 {and containing nitrogen and oxygen}
<administratively transferred to [C08F 220/387](#)>
- N C08F 220/387 {and containing nitrogen and oxygen}
- M C08F 220/40 . . . Esters of unsaturated alcohols {, e.g. allyl (meth)acrylate}
- U C08F 220/52 . . . Amides or imides
- M C08F 220/54 . . . Amides {, e.g. N,N-dimethylacrylamide or N-isopropylacrylamide}
- U C08F 220/56 Acrylamide; Methacrylamide
- C C08F 220/58 containing oxygen in addition to the carbonamido oxygen {, e.g. N-methylolacrylamide, N-(meth)acryloylmorpholine}
WARNING
Group [C08F 220/58](#) is impacted by reclassification into group [C08F 220/585](#). Groups [C08F 220/58](#) and [C08F 220/585](#) should be considered in order to perform a complete search.
- D C08F 2220/585 {and containing other heteroatoms}
<administratively transferred to [C08F 220/585](#)>
- N C08F 220/585 {and containing other heteroatoms, e.g. 2-acrylamido-2-methylpropane sulfonic acid [AMPS]}
WARNING
Group [C08F 220/585](#) is incomplete pending reclassification of documents from group [C08F 220/58](#). Groups [C08F 220/58](#) and [C08F 220/585](#) should be considered in order to perform a complete search.
- C C08F 220/60 containing nitrogen in addition to the carbonamido nitrogen
WARNING
Group [C08F 220/60](#) is impacted by reclassification into groups [C08F 220/603](#) and [C08F 220/606](#). All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2220/603 {and containing oxygen in addition to the carbonamido oxygen and nitrogen}
<administratively transferred to [C08F 220/603](#)>

- N C08F 220/603 {and containing oxygen in addition to the carbonamido oxygen and nitrogen}
WARNING
 Group [C08F 220/603](#) is incomplete pending reclassification of documents from group [C08F 220/60](#).
 Groups [C08F 220/60](#) and [C08F 220/603](#) should be considered in order to perform a complete search.
- D C08F 2220/606 {and containing other heteroatoms}
 <administratively transferred to [C08F 220/606](#)>
- N C08F 220/606 {and containing other heteroatoms}
WARNING
 Group [C08F 220/606](#) is incomplete pending reclassification of documents from group [C08F 220/60](#).
 Groups [C08F 220/60](#) and [C08F 220/606](#) should be considered in order to perform a complete search.

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- M C08F 222/00 Copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a carboxyl radical and containing at least one other carboxyl radical in the molecule; Salts, anhydrides, esters, amides, imides, or nitriles thereof

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

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- M C08F 222/02 . Acids; Metal salts or ammonium salts thereof {, e.g. *maleic acid or itaconic acid*}
- U C08F 222/10 . Esters
- C C08F 222/1006 . {of polyhydric alcohols or polyhydric phenols, e.g. *ethylene glycol dimethacrylat*}
- WARNING
 Group [C08F 222/1006](#) is impacted by reclassification into groups [C08F 222/102](#), [C08F 222/1025](#), [C08F 222/103](#), [C08F 222/1035](#), [C08F 222/104](#), [C08F 222/1045](#), [C08F 222/105](#), [C08F 222/1055](#), [C08F 222/106](#), [C08F 222/1061](#), [C08F 222/1063](#), [C08F 222/1065](#) and [C08F 222/1067](#).
 All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2222/1013 . . . {of dialcohols}
 <administratively transferred to [C08F 222/102](#)>
- N C08F 222/102 . . . {of dialcohols, e.g. *ethylene glycol di(meth)acrylate or 1,4-butanediol dimethacrylate*}
- WARNING
 Groups [C08F 222/102](#) and [C08F 222/1025](#) are incomplete pending reclassification of documents from group [C08F 222/1006](#).
 All groups listed in this Warning should be considered in order to perform a complete search.

- D C08F 2222/102 {of aromatic dialcohols}
<administratively transferred to [C08F 222/1025](#)>
- N C08F 222/1025 {of aromatic dialcohols}
- D C08F 2222/1026 . . . {of trialcohols}
<administratively transferred to [C08F 222/103](#)>
- N C08F 222/103 . . . {of trialcohols, e.g. trimethylolpropane tri(meth)acrylate}
WARNING
Groups [C08F 222/103](#) and [C08F 222/1035](#) are incomplete pending reclassification of documents from group [C08F 222/1006](#). All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2222/1033 {of aromatic trialcohols}
<administratively transferred to [C08F 222/1035](#)>
- N C08F 222/1035 {of aromatic trialcohols}
- D C08F 2222/104 . . . {of tetraalcohols}
<administratively transferred to [C08F 222/104](#)>
- N C08F 222/104 . . . {of tetraalcohols, e.g. pentaerythritol tetra(meth)acrylate}
WARNING
Groups [C08F 222/104](#) and [C08F 222/1045](#) are incomplete pending reclassification of documents from group [C08F 222/1006](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N C08F 222/1045 {of aromatic tetraalcohols}
- D C08F 2222/1046 {of aromatic tetraalcohols}
<administratively transferred to [C08F 222/1045](#)>
- N C08F 222/105 . . . {of pentaalcohols}
WARNING
Groups [C08F 222/105](#) and [C08F 222/1055](#) are incomplete pending reclassification of documents from group [C08F 222/1006](#). All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2222/1053 . . . {of pentaalcohols}
<administratively transferred to [C08F 222/105](#)>
- N C08F 222/1055 {of aromatic pentaalcohols}
- N C08F 222/106 . . . {Esters of polycondensation macromers}
WARNING
Groups [C08F 222/106](#), [C08F 222/1061](#), [C08F 222/1063](#), [C08F 222/1065](#) and [C08F 222/1067](#) are incomplete pending reclassification of documents from group [C08F 222/1006](#). All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2222/106 {of aromatic pentaalcohols}
<administratively transferred to [C08F 222/1055](#)>
- N C08F 222/1061 {of alcohol terminated polyesters or polycarbonates, e.g. polyester (meth)acrylates}
- N C08F 222/1063 {of alcohol terminated polyethers}

- N C08F 222/1065 {of alcohol terminated (poly)urethanes, e.g. urethane(meth)acrylates}
- D C08F 2222/1066 {Esters of polycondensation macromers}
<administratively transferred to [C08F 222/106](#)>
- N C08F 222/1067 {of alcohol terminated epoxy functional polymers, e.g. epoxy(meth)acrylates}
- D C08F 2222/1073 {of alcohol terminated polyesters or polycarbonates}
<administratively transferred to [C08F 222/1061](#)>
- D C08F 2222/108 {of alcohol terminated polyethers}
<administratively transferred to [C08F 222/1063](#)>
- D C08F 2222/1086 {of alcohol terminated (poly)urethanes}
<administratively transferred to [C08F 222/1065](#)>
- D C08F 2222/1093 {of alcohol terminated epoxy functional polymers}
<administratively transferred to [C08F 222/1067](#)>
- U C08F 222/12 . . of phenols or saturated alcohols {([C08F 222/1006](#) takes precedence)}
- C C08F 222/14 . . . Esters having no free carboxylic acid groups {, e.g. *dialkyl maleates or fumarates*}
- WARNING**
Group [C08F 222/14](#) is impacted by reclassification into group [C08F 222/145](#).
Groups [C08F 222/14](#) and [C08F 222/145](#) should be considered in order to perform a complete search.
- D C08F 2222/145 {the ester chains containing seven or more carbon atoms}
<administratively transferred to [C08F 222/145](#)>
- N C08F 222/145 {the ester chains containing seven or more carbon atoms}
- WARNING**
Group [C08F 222/145](#) is incomplete pending reclassification of documents from group [C08F 222/14](#).
Groups [C08F 222/14](#) and [C08F 222/145](#) should be considered in order to perform a complete search.
- C C08F 222/16 . . . Esters having free carboxylic acid groups {, e.g. *monoalkyl maleates or fumarates*}
- WARNING**
Group [C08F 222/16](#) is impacted by reclassification into group [C08F 222/165](#).
Groups [C08F 222/16](#) and [C08F 222/165](#) should be considered in order to perform a complete search.
- D C08F 2222/165 {the ester chains containing seven or more carbon atoms}
<administratively transferred to [C08F 222/165](#)>
- N C08F 222/165 {the ester chains containing seven or more carbon atoms}
- WARNING**
Group [C08F 222/165](#) is incomplete pending reclassification of documents from group [C08F 222/16](#).
Groups [C08F 222/16](#) and [C08F 222/165](#) should be considered in order to perform a complete search.

- C C08F 222/18 . . . Esters containing halogen
- WARNING**
 Group [C08F 222/18](#) is impacted by reclassification into group [C08F 222/185](#).
 Groups [C08F 222/18](#) and [C08F 222/185](#) should be considered in order to perform a complete search.
- D C08F 2222/185 . . . {the ester chains containing seven or more carbon atoms}
 <administratively transferred to [C08F 222/185](#)>
- N C08F 222/185 . . . {the ester chains containing seven or more carbon atoms}
- WARNING**
 Group [C08F 222/185](#) is incomplete pending reclassification of documents from group [C08F 222/18](#).
 Groups [C08F 222/18](#) and [C08F 222/185](#) should be considered in order to perform a complete search.
- C C08F 222/20 . . . Esters containing oxygen in addition to the carboxy oxygen
- WARNING**
 Group [C08F 222/20](#) is impacted by reclassification into group [C08F 222/205](#).
 Groups [C08F 222/20](#) and [C08F 222/205](#) should be considered in order to perform a complete search.
- D C08F 2222/205 . . . {the ester chains containing seven or more carbon atoms}
 <administratively transferred to [C08F 222/205](#)>
- N C08F 222/205 . . . {the ester chains containing seven or more carbon atoms}
- WARNING**
 Group [C08F 222/205](#) is incomplete pending reclassification of documents from group [C08F 222/20](#).
 Groups [C08F 222/20](#) and [C08F 222/205](#) should be considered in order to perform a complete search.
- C C08F 222/22 . . . Esters containing nitrogen
- WARNING**
 Group [C08F 222/22](#) is impacted by reclassification into group [C08F 222/225](#).
 Groups [C08F 222/22](#) and [C08F 222/225](#) should be considered in order to perform a complete search.
- D C08F 2222/225 . . . {the ester chains containing seven or more carbon atoms}
 <administratively transferred to [C08F 222/225](#)>
- N C08F 222/225 . . . {the ester chains containing seven or more carbon atoms}
- WARNING**
 Group [C08F 222/225](#) is incomplete pending reclassification of documents from group [C08F 222/22](#).
 Groups [C08F 222/22](#) and [C08F 222/225](#) should be considered in order to perform a complete search.
- C C08F 222/24 . . . Esters containing sulfur
- WARNING**
 Group [C08F 222/24](#) is impacted by reclassification into group [C08F 222/245](#).

Groups C08F 222/24 and C08F 222/245 should be considered in order to perform a complete search.

- D C08F 2222/245 . . . {the ester chains containing seven or more carbon atoms}
<administratively transferred to [C08F 222/245](#)>
- N C08F 222/245 . . . {the ester chains containing seven or more carbon atoms}
WARNING
Group [C08F 222/245](#) is incomplete pending reclassification of documents from group [C08F 222/24](#).
Groups [C08F 222/24](#) and [C08F 222/245](#) should be considered in order to perform a complete search.
- U C08F 222/30 . Nitriles
- C C08F 222/32 . Alpha-cyano-acrylic acid; Esters thereof
WARNING
Group [C08F 222/32](#) is impacted by reclassification into groups [C08F 222/321](#), [C08F 222/322](#), [C08F 222/323](#), [C08F 222/324](#), [C08F 222/325](#), [C08F 222/326](#), [C08F 222/327](#) and [C08F 222/328](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- D C08F 2222/321 . . . {alpha-Cyano-acrylic acid methyl ester}
<administratively transferred to [C08F 222/321](#)>
- N C08F 222/321 . . . {Alpha-cyano-acrylic acid methyl ester}
WARNING
Group [C08F 222/321](#) is incomplete pending reclassification of documents from group [C08F 222/32](#).
Groups [C08F 222/32](#) and [C08F 222/321](#) should be considered in order to perform a complete search.
- D C08F 2222/322 . . . {alpha-Cyano-acrylic acid ethyl ester}
<administratively transferred to [C08F 222/322](#)>
- N C08F 222/322 . . . {Alpha-cyano-acrylic acid ethyl ester, e.g. ethyl-2-cyanoacrylate}
WARNING
Group [C08F 222/322](#) is incomplete pending reclassification of documents from group [C08F 222/32](#).
Groups [C08F 222/32](#) and [C08F 222/322](#) should be considered in order to perform a complete search.
- D C08F 2222/323 . . . {alpha-Cyano-acrylic acid propyl ester}
<administratively transferred to [C08F 222/323](#)>
- N C08F 222/323 . . . {Alpha-cyano-acrylic acid propyl ester}
WARNING
Group [C08F 222/323](#) is incomplete pending reclassification of documents from group [C08F 222/32](#).
Groups [C08F 222/32](#) and [C08F 222/323](#) should be considered in order to perform a complete search.
- D C08F 2222/324 . . . {alpha-Cyano-acrylic acid butyl ester}
<administratively transferred to [C08F 222/324](#)>

- N C08F 222/324
- • {Alpha-cyano-acrylic acid butyl ester}
- WARNING
Group [C08F 222/324](#) is incomplete pending reclassification of documents from group [C08F 222/32](#).
Groups [C08F 222/32](#) and [C08F 222/324](#) should be considered in order to perform a complete search.
- D C08F 2222/325
- • {alpha-Cyano-acrylic acid pentyl ester}
- <administratively transferred to [C08F 222/325](#)>
- N C08F 222/325
- • {Alpha-cyano-acrylic acid pentyl ester}
- WARNING
Group [C08F 222/325](#) is incomplete pending reclassification of documents from group [C08F 222/32](#).
Groups [C08F 222/32](#) and [C08F 222/325](#) should be considered in order to perform a complete search.
- D C08F 2222/326
- • {alpha-Cyano-acrylic acid longer chain ester}
- <administratively transferred to [C08F 222/326](#)>
- N C08F 222/326
- • {Alpha-cyano-acrylic acid longer chain ester}
- WARNING
Group [C08F 222/326](#) is incomplete pending reclassification of documents from group [C08F 222/32](#).
Groups [C08F 222/32](#) and [C08F 222/326](#) should be considered in order to perform a complete search.
- D C08F 2222/327
- • {alpha-Cyano-acrylic acid alkoxy ester}
- <administratively transferred to [C08F 222/327](#)>
- N C08F 222/327
- • {Alpha-cyano-acrylic acid alkoxy ester}
- WARNING
Group [C08F 222/327](#) is incomplete pending reclassification of documents from group [C08F 222/32](#).
Groups [C08F 222/32](#) and [C08F 222/327](#) should be considered in order to perform a complete search.
- D C08F 2222/328
- • {alpha-Cyano-acrylic acid with more than one oxygen in the ester moiety}
- <administratively transferred to [C08F 222/328](#)>
- N C08F 222/328
- • {Alpha-cyano-acrylic acid with more than one oxygen in the ester moiety}
- WARNING
Group [C08F 222/328](#) is incomplete pending reclassification of documents from group [C08F 222/32](#).
Groups [C08F 222/32](#) and [C08F 222/328](#) should be considered in order to perform a complete search.
- U C08F 222/36
- Amides or imides
- C C08F 222/40
- Imides, e.g. cyclic imides
- WARNING
Group [C08F 222/40](#) is impacted by reclassification into groups [C08F 222/402](#), [C08F 222/404](#), [C08F 222/406](#) and [C08F 222/408](#).
All groups listed in this Warning should be considered in order to perform a complete search.

- D C08F 222/402 . . . {Alkyl substituted imides}
<administratively transferred to [C08F 222/402](#)>
- N C08F 222/402 . . . {Alkyl substituted imides}
WARNING
Group [C08F 222/402](#) is incomplete pending reclassification of documents from group [C08F 222/40](#).
Groups [C08F 222/40](#) and [C08F 222/402](#) should be considered in order to perform a complete search.
- D C08F 222/404 . . . {the substituted imides comprising oxygen other than the carboxy oxygen}
<administratively transferred to [C08F 222/404](#)>
- N C08F 222/404 . . . {substituted imides comprising oxygen other than the carboxy oxygen}
WARNING
Groups [C08F 222/404](#) is incomplete pending reclassification of documents from group [C08F 222/40](#).
Groups [C08F 222/40](#) and [C08F 222/404](#) should be considered in order to perform a complete search.
- D C08F 222/406 . . . {the substituted imides comprising nitrogen other than the imide nitrogen}
<administratively transferred to [C08F 222/406](#)>
- N C08F 222/406 . . . {substituted imides comprising nitrogen other than the imide nitrogen}
WARNING
Groups [C08F 222/406](#) is incomplete pending reclassification of documents from group [C08F 222/40](#).
Groups [C08F 222/40](#) and [C08F 222/406](#) should be considered in order to perform a complete search.
- D C08F 222/408 . . . {the substituted imides comprising other heteroatom}
<administratively transferred to [C08F 222/408](#)>
- N C08F 222/408 . . . {substituted imides comprising other heteroatoms}
WARNING
Groups [C08F 222/408](#) is incomplete pending reclassification of documents from group [C08F 222/40](#).
Groups [C08F 222/40](#) and [C08F 222/408](#) should be considered in order to perform a complete search.

Project: MP0458 (C08F)

- M C08F 224/00 Copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a heterocyclic ring containing oxygen (cyclic esters of polyfunctional acids [C08F 218/00](#); cyclic anhydrides of unsaturated acids [C08F 220/00](#), [C08F 222/00](#))

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 226/00** Copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a single or double bond to nitrogen or by a heterocyclic ring containing nitrogen

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

- M C08F 228/00** Copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a bond to sulfur or by a heterocyclic ring containing sulfur

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

- M C08F 230/00** Copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and containing phosphorus, selenium, tellurium or a metal (metal salts, e.g. phenolates or alcoholates, see the parent compounds)

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

Project: RP0139 (C08F)

- U C08F 230/04 • containing a metal
C C08F 230/06 • • containing boron

WARNING

Group C08F 230/06 is impacted by reclassification into group C08F 230/065. Groups C08F 230/06 and C8F230/065 should be considered in order to perform a complete search.

- D C08F 2230/065 • • • {the monomer being a polymerisable additive}
 <administratively transferred to [C08F 230/06](#)>
N C08F 230/065 • • • {the monomer being a polymerisable borane, e.g. dimethyl(vinyl)borane}

WARNING

Group C08F 230/065 is incomplete pending reclassification of documents from group C08F 230/06. Groups C08F 230/06 and C08F 230/065 should be considered in order to perform a complete search.

- C C08F 230/08 • • containing silicon

WARNING

Group C08F 230/08 is impacted by reclassification into group C08F 230/085. Groups C08F 230/08 and C08F 230/085 should be considered in order to perform a complete search.

- D C08F 2230/085 • • • {the monomer being a polymerisable additive}
 <administratively transferred to [C08F 230/08](#)>

- N C08F 230/085 . . . {the monomer being a polymerisable silane, e.g. (meth)acryloyloxy trialkoxy silanes or vinyl trialkoxysilanes}

WARNING

Group [C08F 230/085](#) is incomplete pending reclassification of documents from group [C08F 230/08](#).

Groups [C08F 230/08](#) and [C08F 230/085](#) should be considered in order to perform a complete search.

Project: MP0458 (C08F)

- M C08F 232/00 Copolymers of cyclic compounds containing no unsaturated aliphatic radicals in a side chain, and having one or more carbon-to-carbon double bonds in a carbocyclic ring system

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 234/00 Copolymers of cyclic compounds having no unsaturated aliphatic radicals in a side chain and having one or more carbon-to-carbon double bonds in **aheterocyclica heterocyclic** ring (cyclic esters of polyfunctional acids [C08F 218/00](#); cyclic anhydrides or imides [C08F 222/00](#))

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 236/00 Copolymers of compounds having one or more unsaturated aliphatic radicals, at least one having two or more carbon-to-carbon double bonds ([C08F 232/00](#) takes precedence)

NOTE

{In [C08F 236/00](#) - *this group*, [C08F 236/22](#) the method of polymerisation may be indicated using the subdivision of [C08F 2/00](#) - [C08F 2/58](#) in the form of C-Sets; the nature of the catalyst may be indicated using the subdivision of [C08F 4/00](#) - [C08F 4/60](#), [C08F 4/62](#), [C08F 4/64](#), [C08F 4/642](#), [C08F 4/6421](#), [C08F 4/643](#) or [C08F 4/68](#) - [C08F 4/82](#) in the form of *are used*. The detailed information about the C-Sets. Example: - { construction and [C08F 236/10](#), the [C08F 4/46](#) } associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 238/00 Copolymers of compounds having one or more carbon-to-carbon triple bonds

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 240/00 Copolymers of hydrocarbons and mineral oils, e.g. petroleum resins

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 242/00 Copolymers of drying oils with other monomers**
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}
- M C08F 244/00 Coumarone-indene copolymers**
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}
- M C08F 246/00 Copolymers in which the nature of only the monomers in minority is defined**
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}
- C08F 251/00 - C08F 292/00 Graft polymers; Polymers crosslinked with unsaturated monomers**
- NOTE
In C08F 251/00 - C08F 292/00 the grafted monomer may be indicated using the subdivision of C08F 210/00 - C08F 238/04 preceded by a "+" sign.-
Example:
C08F 265/06 + C08F 220/06
- M C08F 251/00 Macromolecular compounds obtained by polymerising monomers on to polysaccharides or derivatives thereof**
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}
- M C08F 253/00 Macromolecular compounds obtained by polymerising monomers on to natural rubbers or derivatives thereof**
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}
- M C08F 255/00 Macromolecular compounds obtained by polymerising monomers on to polymers of hydrocarbons as defined in group [C08F 10/00](#)**
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

M	C08F 257/00	<p>Macromolecular compounds obtained by polymerising monomers on to polymers of aromatic monomers as defined in group C08F 12/00</p> <p><u>NOTE</u> <i>{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}</i></p>
M	C08F 259/00	<p>Macromolecular compounds obtained by polymerising monomers on to polymers of halogen containing monomers as defined in group C08F 14/00</p> <p><u>NOTE</u> <i>{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}</i></p>
M	C08F 261/00	<p>Macromolecular compounds obtained by polymerising monomers on to polymers of oxygen-containing monomers as defined in group C08F 16/00</p> <p><u>NOTE</u> <i>{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}</i></p>
M	C08F 263/00	<p>Macromolecular compounds obtained by polymerising monomers on to polymers of esters of unsaturated alcohols with saturated acids as defined in group C08F 18/00</p> <p><u>NOTE</u> <i>{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}</i></p>
M	C08F 265/00	<p>Macromolecular compounds obtained by polymerising monomers on to polymers of unsaturated monocarboxylic acids or derivatives thereof as defined in group C08F 20/00</p> <p><u>NOTE</u> <i>{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}</i></p>
U	C08F 265/04	<ul style="list-style-type: none"> • on to polymers of esters
M	C08F 265/06	<ul style="list-style-type: none"> • • Polymerisation of acrylate or methacrylate esters on to polymers thereof <p><u>NOTE</u> <i>In C08F 265/06 the method of polymerisation may be indicated using the subdivision of C08F 2/02, C08F 2/16, C08F 2/18 or C08F 2/22 in the form of C-Sets. Example: (C08F 265/06, C08F 2/16)</i></p>
M	C08F 267/00	<p>Macromolecular compounds obtained by polymerising monomers on to polymers of unsaturated polycarboxylic acids or derivatives thereof as defined in group C08F 22/00</p> <p><u>NOTE</u> <i>{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}</i></p>

M C08F 269/00 Macromolecular compounds obtained by polymerising monomers on to polymers of heterocyclic oxygen-containing monomers as defined in group [C08F 24/00](#)

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

M C08F 271/00 Macromolecular compounds obtained by polymerising monomers on to polymers of nitrogen-containing monomers as defined in group [C08F 26/00](#)

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

M C08F 273/00 Macromolecular compounds obtained by polymerising monomers on to polymers of sulfur-containing monomers as defined in group [C08F 28/00](#)

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

M C08F 275/00 Macromolecular compounds obtained by polymerising monomers on to polymers of monomers containing phosphorus, selenium, tellurium or a metal as defined in group [C08F 30/00](#)

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

M C08F 277/00 Macromolecular compounds obtained by polymerising monomers on to polymers of carbocyclic or heterocyclic monomers as defined respectively in group [C08F 32/00](#) or in group [C08F 34/00](#)

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

M C08F 279/00 Macromolecular compounds obtained by polymerising monomers on to polymers of monomers having two or more carbon-to-carbon double bonds as defined in group [C08F 36/00](#)

NOTE

{In [C08F 279/02](#) and [C08F 279/04](#) the method of polymerisation may be indicated using the subdivision of [C08F 2/02](#) this group, [C08F 2/16](#), C-Sets [C08F 2/18](#) or are used. [C08F 2/22](#) in the form of The detailed information about the C-Sets. Example: { construction and [C08F 279/02](#), the [C08F 2/22](#) } associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 281/00** Macromolecular compounds obtained by polymerising monomers on to polymers of monomers having carbon-to-carbon triple bonds as defined in group [C08F 38/00](#)
- NOTE*
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}
- M C08F 283/00** Macromolecular compounds obtained by polymerising monomers on to polymers provided for in subclass [C08G](#) ~~{(on to polymers modified by introduction of aliphatic unsaturated end or side groups C08F 290/00)}~~
- NOTE*
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}
- M C08F 283/01** • on to unsaturated polyesters {([C08F 283/004](#) takes precedence)}
- NOTE*
After the symbol of group C08F 283/01 – C08F 283/14 and using the C-Sets, notations concerning the method of polymerisation or the nature of the catalyst can be indicated. These notations are selected from groups C08F 2/00, C08F 2/16, C08F 2/46, C08F 2/48, C08F 2/50, C08F 4/00, C08F 4/04, C08F 4/06, C08F 4/28 and C08F 4/42. Example: (C08F 283/01, C08F 2/16)
- M C08F 285/00** Macromolecular compounds obtained by polymerising monomers on to preformed graft polymers ~~{(C08F 283/00 takes precedence)}~~
- NOTE*
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}
- M C08F 287/00** Macromolecular compounds obtained by polymerising monomers on to block polymers ~~{(C08F 283/00 takes precedence)}~~
- NOTE*
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}
- M C08F 289/00** Macromolecular compounds obtained by polymerising monomers on to macromolecular compounds not provided for in groups [C08F 251/00](#) - [C08F 287/00](#)
- NOTE*
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 290/00** Macromolecular compounds obtained by polymerising monomers on to polymers modified by introduction of aliphatic unsaturated end or side groups
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}
- M C08F 291/00** Macromolecular compounds obtained by polymerising monomers on to macromolecular compounds according to more than one of the groups [C08F 251/00](#) - [C08F 289/00](#)
- NOTE
{In [C08F 291/00](#) the method of polymerisation may be indicated using the subdivision of [C08F 2/02](#) this group, [C08F 2/16](#); C-Sets [C08F 2/18](#) or are used. [C08F 2/22](#) in the form of The detailed information about the C-Sets. Example: (construction and [C08F 291/00](#), the [C08F 2/16](#)) associated syntax rules is present in the Definitions of [C08F](#).}
- M C08F 292/00** Macromolecular compounds obtained by polymerising monomers on to inorganic materials
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}
- M C08F 293/00** Macromolecular compounds obtained by polymerisation on to a macromolecule having groups capable of inducing the formation of new polymer chains bound exclusively at one or both ends of the starting macromolecule (on to polymers modified by introduction of unsaturated end groups [C08F 290/02](#))
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}
- M C08F 295/00** Macromolecular compounds obtained by polymerisation using successively different catalyst types without deactivating the intermediate polymer
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}
- M C08F 297/00** Macromolecular compounds obtained by successively polymerising different monomer systems using a catalyst of the ionic or coordination type without deactivating the intermediate polymer
- NOTE
{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of [C08F](#).}

- M C08F 299/00** Macromolecular compounds obtained by interreacting polymers involving only carbon-to-carbon unsaturated bond reactions, in the absence of non-macromolecular monomers **(in the presence of non-macromolecular monomers C08F 251/00 - C08F 291/00; involving other reactions C08G 81/00)**

NOTE

{In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

- M C08F 2500/00** Characteristics or properties of obtained polymers; Use thereof **(not used)**

NOTE

{C08F 2500/01 - C08F 2500/26 groups only are used in C-Sets as subsequent symbol(s) and are not allocated as single symbol(s). The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}

Project: MP0450 (C08G)

- M C08G** **MACROMOLECULAR COMPOUNDS OBTAINED OTHERWISE THAN BY REACTIONS ONLY INVOLVING UNSATURATED CARBON-TO-CARBON BONDS**

NOTES

1. Therapeutic activity of compounds is further classified in subclass A61P.

~~1.~~**2.** In this subclass, group [C08G 18/00](#) takes precedence over the other groups. A further classification is given if the polymers are obtained by reactions forming specific linkages for which an appropriate group is provided.

~~2.~~**3.** Within each main group of this subclass, *the last place priority rule is applied, i.e. at each hierarchical level*, in the absence of an indication to the contrary, classification is made in the last appropriate place.

~~3.~~ In groups [C08G 61/00](#) - [C08G 79/00](#), in the absence of an indication to the contrary, macromolecular compounds obtained by reactions forming two different linkages in the main chain are classified only according to the linkage present in excess.

4. This subclass covers also compositions based on monomers which ~~from~~**form** macromolecular compounds classifiable in this subclass. In this subclass:

- if the monomers are defined, classification is made in groups [C08G 2/00](#) - [C08G 79/00](#), [C08G 83/00](#) according to the polymer to be formed;
- if the monomers are defined in a way that a composition cannot be classified within one main group of this subclass, the composition is classified in group [C08G 85/00](#);
- if the compounding ingredients are of interest per se, classification is also made in subclass [C08K](#).

5. {In this subclass, combination sets [C-Sets] are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions}

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:

[C08G 14/067](#), [C08G 14/073](#), covered by [C08G 14/06](#)
[C08G 14/09](#)

[C08G 59/16](#), [C08G 59/17](#) covered by [C08G 59/14](#)

[C08G 63/49](#) covered by [C08G 63/48](#)

C08G 65/28 covered by C08G 65/26
C08G 73/04 covered by C08G 73/02

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 C08G 18/00

Polymeric products of isocyanates or isothiocyanates (~~preparatory processes of porous or cellular materials, in which the monomers or catalysts are not specific C08J~~)

NOTE

*In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08G.*

U C08G 18/06

• with compounds having active hydrogen

U C08G 18/08

• • Processes

M C08G 18/0804

• • • {Manufacture of polymers containing ionic or ionogenic groups}

NOTE

Polymers prepared from unsaturated low-molecular-weight compounds having active hydrogen or isocyanate or isothiocyanate groups are classified in the respective C08G 18/67 and C08G 18/81 groups, according to the notes after C08G 18/67 and C08G 18/81

M C08G 18/0895

• • • {Manufacture of polymers by continuous processes (C08G 18/0838 takes precedence)}

NOTES

1. After the symbols C08G 18/10 and C08G 18/12 and separated by a "," sign, are indicated the reactive components of a second or following step by one of the symbols C08G 18/2805, C08G 18/30 – C08G 18/38, C08G 18/40 – C08G 18/64 without subnotations, C08G 18/65 – C08G 18/66, C08G 18/70 – C08G 18/80

2. After the symbols C08G 18/10 and C08G 18/12 and separated by a "," sign are indicated the oligomerisation of isocyanate- or isothiocyanate groups in the prepolymers or in the added reactive components involving reaction of at least a part of the isocyanate- or isothiocyanate groups with each other in the reaction mixture by the symbols C08G 18/02 or C08G 18/09 respectively or by subnotations thereof

M C08G 18/10

• • • Prepolymer processes involving reaction of isocyanates or isothiocyanates with compounds having active hydrogen in a first reaction step (~~{C08G 18/0838 takes precedence}; masked polyisocyanates C08G 18/80~~)

NOTE

*In groups C08G 18/10 and C08G 18/12, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08G.*

M C08G 18/28

• • characterised by the compounds used containing active hydrogen

NOTE

For the purpose of groups C08G 18/28 – C08G 18/69, the addition of water for the preparation of cellular materials is not taken into consideration (except in the case, wherein water is the only compound having active hydrogen C08G 18/302. When there is attributed a class in C08G 18/00 for a specific monomer or a catalyst, the addition of water as the sole blowing agent is indicated by indexing code C08G 2101/0083. Moreover specific aggregation

forms of water, e.g. absorbed water and water of crystallisation are also classified in C08J 9/02}

M C08G 18/67

- • Unsaturated compounds having active hydrogen

NOTE

1. After the symbols C08G 18/67 and C08G 18/671 – C08G 18/679 and separated by a "," sign is indicated the manufacture of polymers containing ionic or ionogenic groups from unsaturated low-molecular-weight compounds having active hydrogen by one of the symbols C08G 18/0804 – C08G 18/0833

2. After the symbols C08G 18/671 – C08G 18/672 and separated by a "," sign are indicated the polymer-backbone forming high-molecular-weight compounds containing active hydrogen or their combination with low-molecular-weight compounds by one of the symbols C08G 18/40 – C08G 18/64 without subnotations, C08G 18/65 – C08G 18/66, C08G 18/6705 and C08G 18/6795 – C08G 18/69. This note does not apply for the symbols C08G 18/6725 and C08G 18/673

1. In groups C08G 18/67 - C08G 18/679, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08G.

U C08G 18/70

- • characterised by the isocyanates or isothiocyanates used

M C08G 18/81

- • Unsaturated isocyanates or isothiocyanates

NOTE

1. After the symbols C08G 18/81 – C08G 18/8191 and separated by a "," sign is indicated the manufacture of polymers containing ionic or ionogenic groups by one of the symbols C08G 18/0804 – C08G 18/0833

2. After the symbols C08G 18/8158 – C08G 18/8175 and separated by a "," sign are indicated the polymer-backbone forming high-molecular-weight compounds containing active hydrogen or their combination with low-molecular-weight compounds by one of the symbols C08G 18/40 – C08G 18/64 without subnotations, C08G 18/65 – C08G 18/66, C08G 18/6705 and C08G 18/6795 – C08G 18/69

1. In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08G.

Project: N/A (C09J)

C09J

Adhesives ADHESIVES; non-mechanical aspects of adhesive processes in general NON-MECHANICAL ASPECTS OF ADHESIVE PROCESSES IN GENERAL; adhesive processes not provided for elsewhere ADHESIVE PROCESSES NOT PROVIDED FOR ELSEWHERE; use of material as adhesives USE OF MATERIAL AS ADHESIVES (surgical adhesives [A61L 24/00](#); adhesives on the basis of non-specified organic macromolecular compounds used as bonding agents in layered products [B32B](#); organic labelling fabrics or comparable materials or articles with deformable surface using adhesives and thermo-activatable adhesives respectively [B65C 5/02](#), [B65C 5/04](#); preparation of glue or gelatine [C09H](#); adhesive labels, tag tickets or similar identification of indication means [G09F 3/10](#))

NOTES

1. In this subclass, the following terms or expressions are used with the meanings indicated:

2. "use of materials as adhesives" means the use of known or new polymers or products;

- "rubber" includes:
 - a. natural or conjugated diene rubbers;
 - b. rubber in general (for a specific rubber, other than a natural rubber or a conjugated diene rubber, see the group provided for adhesives based on such macromolecular compounds);
 - "based on" is defined by means of Note 3, below.
3. In this subclass, adhesives containing specific macromolecular substances are classified only according to the macromolecular substance, non-macromolecular substances not being taken into account.
- Example: an adhesive containing polyethene and amino-propyltrimethoxysilane is classified in group [C09J 123/06](#).
 - However, adhesives containing combinations of organic non-macromolecular compounds having at least one polymerisable carbon-to-carbon unsaturated bond with prepolymers or polymers other than unsaturated polymers of groups [C09J 159/00](#) - [C09J 187/00](#) are classified according to the unsaturated non-macromolecular component in group [C09J 4/00](#).
 - Example: an adhesive containing polyethene and styrene monomer is classified in group [C09J 4/06](#).
 - Aspects relating to the physical nature of the adhesives or to the effects produced, as defined in group [C09J 9/00](#), if clearly and explicitly stated, are also classified in this subclass.
 - Adhesives characterised by other features, e.g. additives, are classified in group [C09J 11/00](#), unless the macromolecular constituent is specified.
4. In this subclass, adhesives comprising two or more macromolecular constituents are classified according to the macromolecular constituent or constituents present in the highest proportion, i.e. the constituent on which the adhesive is based. If the adhesive is based on two or more constituents, present in equal proportions, the adhesive is classified according to each of these constituents.
- Examples: An adhesive containing 80 parts of polyethene and 20 parts of polyvinylchloride is classified in group [C09J 123/06](#); a n adhesive containing 40 parts of polyethene and 40 parts of polyvinylchloride is classified in groups [C09J 123/06](#) and [C09J 127/06](#).
5. {An adhesive composition containing polyethylene and amino-propyltrimethoxysilane is classified in groups [C09J 123/06](#) and [C08K 5/544](#)}
6. {In this subclass, combination sets [C-Sets] are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#) }
7. {In addition to note (5), [C08L 2666/00](#) indexing codes were used for C-Sets classification of documents before April 2012 (see also C-Sets search rules in [C08L](#), [C09D](#), in [C09J](#) definition) }

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:

C09J 4/02	covered by	C09J 4/00
C09J 4/04	covered by	C09J 4/00
C09J 161/08 - C09J 161/10	covered by	C09J 161/06
C09J 163/02	covered by	C09J 163/00
C09J 183/05	covered by	C09J 183/04
C09J 183/07	covered by	C09J 183/04

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.

Project: RP0607 (C09K)

M C09K 9/00 Tenebrescent materials, i.e. materials for which the range of wavelengths for energy absorption is changed as a result of excitation by some form of energy ~~((liquid crystal materials C09K 19/00; photochromic glass G03C 4/06; in thermometers G01K 11/12; in photochromic filters G02B 5/23; in optical modulation devices G02F 1/00); photosensitive materials for photographic purposes G03C; (in cathodochromic screens H01J 29/14))~~

NOTE

When classifying in groups [C09K 9/02](#) the chemical nature of the tenebrescent material can be further indexed by using indexing codes chosen from [C09K 2211/00](#) - [C09K 2211/188](#)

Project: RP0642 (C12C)

M C12C **BEER; BREWING PREPARATION OF BEER BY FERMENTATION (cleaning of raw materials A23N; pitching and depitching machines, cellar tools C12L; propagating yeasts C12N 1/14; non-beverage ethanolic fermentation C12P 7/06 ageing or ripening by storing C12H 1/22; methods for reducing the alcohol content after fermentation C12H 3/00; methods for increasing the alcohol content after fermentation C12H 6/00; venting devices for casks, barrels or the like C12L 9/00); PREPARATION OF MALT FOR MAKING BEER; PREPARATION OF HOPS FOR MAKING BEER**

Project: RP0642 (C12F)

M C12F **DISTILLATION OR RECTIFICATION OF FERMENTED SOLUTIONS; RECOVERY OF BY-PRODUCTS OF FERMENTED SOLUTIONS (removal of yeast from wine or sparkling wine C12G 1/08); DENATURING OF, OR DENATURED, DENATURED ALCOHOL; PREPARATION THEREOF**

Project: RP0642 (C12G)

M C12G **WINE; PREPARATION THEREOF; OTHER ALCOHOLIC BEVERAGES (beer C12C); PREPARATION THEREOF OF ALCOHOLIC BEVERAGES NOT PROVIDED FOR IN SUBCLASSES C12C OR C12H (beer C12C)**

WARNING

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

C12G 1/022	covered by	C12G 1/0203
C12G 1/024	covered by	C12G 1/0209
C12G 1/026	covered by	C12G 1/02
C12G 1/028	covered by	C12G 1/0213
C12G 1/032	covered by	C12G 1/0216
C12G 1/036	covered by	C12G 1/0206
C12G 1/067	covered by	C12G 1/06
C12G 1/073	covered by	C12G 1/06 , C12G 1/064
C12G 1/09	covered by	C12G 1/08
C12G 1/10	covered by	C12G 1/00 , C12H 1/10 , C12H 1/18
C12G 1/12	covered by	C12G 1/00

U C12G 1/00 Preparation of wine or sparkling wine

WARNING

Group [C12G 1/00](#) is impacted by reclassification into groups [C12G 1/06](#) and [C12G 1/14](#).

Groups [C12G 1/00](#), [C12G 1/06](#), and [C12G 1/14](#) should be considered in order to perform a complete search.

M C12G 1/08 · Removal of yeast (~~["degorgeage"]~~)

Project: RP0642 (C12J)

M C12J **VINEGAR; ~~ITS PREPARATION~~PREPARATION OR PURIFICATION THEREOF**

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:

M C12J 1/00 Vinegar; Preparation **or purification thereof**; **Purification**

Project: RP0642 (C12N)

M C12N **MICROORGANISMS OR ENZYMES; COMPOSITIONS THEREOF (~~biocides, pest repellants or attractants, or plant growth regulators, containing microorganisms, viruses, microbial fungi, enzymes, fermentates or substances produced by or extracted from microorganisms or animal material A01N 63/00; food compositions A21, A23; medicinal preparations A61K; chemical aspects of, or use of materials for, bandages, dressings, absorbent pads or surgical articles A61L; fertilisers C05~~); PROPAGATING, PRESERVING, OR MAINTAINING MICROORGANISMS (~~preservation of living parts of humans or animals A01N 1/02~~); MUTATION OR GENETIC ENGINEERING; CULTURE MEDIA (microbiological testing media ~~C12Q~~**C12Q 1/00**)**

NOTES

1. Documents relating to the use of vectors or hosts for the preparation of specific peptides, e.g. enzymes, are classified in subclass [C07K](#) or in group [C12N 9/00](#) according to the peptides, with the appropriate indexing codes.
2. Attention is drawn to Notes (1) to (3) following the title of Class [C12](#).
3. 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.

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:

C12N 1/11	covered by	C12N 15/79
C12N 1/13	covered by	C12N 15/79
C12N 1/15	covered by	C12N 15/80
C12N 1/19	covered by	C12N 15/81
C12N 1/21	covered by	C12N 15/74
C12N 5/02	covered by	C12N 5/0006 , C12N 5/04 - C12N 5/166
C12N 5/07 - C12N 5/095	covered by	C12N 5/06
C12N 5/18	covered by	C12N 5/16
C12N 5/20	covered by	C12N 5/163
C12N 5/22	covered by	C12N 5/16
C12N 5/24	covered by	C12N 5/163
C12N 5/26	covered by	C12N 5/166
C12N 5/28	covered by	C12N 5/166
C12N 15/53	covered by	C12N 9/0004

C12N 7/01	covered by	C12N 7/00
C12N 9/02-C12N 9/08	covered by	C12N 9/0004
C12N 9/26	covered by	C12N 9/2408
C12N 9/28-C12N 9/30	covered by	C12N 9/2414 - C12N 9/242
C12N 9/32	covered by	C12N 9/2422
C12N 9/34	covered by	C12N 9/2428
C12N 9/36	covered by	C12N 9/2462
C12N 9/38	covered by	C12N 9/2468
C12N 9/40	covered by	C12N 9/2465
C12N 9/42	covered by	C12N 9/2434
C12N 9/44	covered by	C12N 9/2451
C12N 9/46	covered by	C12N 9/2454
C12N 9/56	covered by	C12N 9/54
C12N 9/66	covered by	C12N 9/6448
C12N 9/68	covered by	C12N 9/6435
C12N 9/70	covered by	C07K 14/3153
C12N 9/72	covered by	C12N 9/6462
C12N 9/74	covered by	C12N 9/6429
C12N 9/76	covered by	C12N 9/6427
C12N 15/05	covered by	C12N 5/14
C12N 15/06	covered by	C12N 5/16
C12N 15/07	covered by	C12N 5/16
C12N 15/08	covered by	C12N 5/166
C12N 15/12	covered by	C07K 14/435
C12N 15/13	covered by	C07K 16/00
C12N 15/14	covered by	C07K 14/765
C12N 15/15	covered by	C07K 14/81
C12N 15/16	covered by	C07K 14/575
C12N 15/17	covered by	C07K 14/62
C12N 15/18	covered by	C07K 14/61
C12N 15/19	covered by	C07K 14/52
C12N 15/20	covered by	C07K 14/555
C12N 15/21	covered by	C07K 14/56
C12N 15/22	covered by	C07K 14/565
C12N 15/23	covered by	C07K 14/57
C12N 15/24	covered by	C07K 14/54
C12N 15/25	covered by	C07K 14/545
C12N 15/26	covered by	C07K 14/55
C12N 15/27	covered by	C07K 14/53
C12N 15/28	covered by	C07K 14/525
C12N 15/29	covered by	C07K 14/415
C12N 15/30	covered by	C07K 14/44
C12N 15/31	covered by	C07K 14/195 , C07K 14/005
C12N 15/32	covered by	C07K 14/325
C12N 15/33	covered by	C07K 14/005
C12N 15/34	covered by	C07K 14/01
C12N 15/35	covered by	C07K 14/015
C12N 15/36	covered by	C07K 14/02
C12N 15/37	covered by	C07K 14/025
C12N 15/38	covered by	C07K 14/03
C12N 15/39	covered by	C07K 14/065

C12N 15/40	covered by	C07K 14/08
C12N 15/41	covered by	C07K 14/085
C12N 15/42	covered by	C07K 14/09
C12N 15/43	covered by	C07K 14/105
C12N 15/44	covered by	C07K 14/11
C12N 15/45	covered by	C07K 14/115
C12N 15/46	covered by	C07K 14/14
C12N 15/47	covered by	C07K 14/145
C12N 15/48	covered by	C07K 14/15
C12N 15/49	covered by	C07K 14/155
C12N 15/50	covered by	C07K 14/165
C12N 15/51	covered by	C07K 14/02 , C07K 14/10 , C07K 14/18
C12N 15/53	covered by	C12N 9/0004
C12N 15/54	covered by	C12N 9/10
C12N 15/55	covered by	C12N 9/14
C12N 15/56	covered by	C12N 9/24
C12N 15/57	covered by	C12N 9/48
C12N 15/58	covered by	C12N 9/6456
C12N 15/59	covered by	C12N 9/6483
C12N 15/60	covered by	C12N 9/88
C12N 15/61	covered by	C12N 9/90
C12N 15/83	covered by	C12N 15/82
C12N 15/84	covered by	C12N 15/82

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.

Project: RP0608 (D06F)

M D06F

LAUNDERING, DRYING, IRONING, PRESSING OR FOLDING TEXTILE ARTICLES (~~apparatus for blocking, pressing, steaming, or stretching hats A42C; treating textile materials by liquids, gases or vapours D06B; chemical matters, see D06L, D06M~~)

NOTES

1. This subclass covers:

- domestic or laundry dry-cleaning apparatus using volatile solvents;
- domestic, laundry, or tailors' ironing or other hot-pressing of clothes, linen, or other textile articles.

2. This subclass does not cover:

- apparatus for wringing, washing, dry-cleaning, ironing, or other hot-pressing of textiles in manufacturing operations, which is covered by subclasses [D06B](#), [D06C](#).
- *treatment of textiles by purely chemical means, which is covered by subclasses [D06L](#), [D06M](#).*

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.

U D06F 1/00

Washing receptacles (of washing machines [D06F 37/00](#), [D06F 39/00](#))

U D06F 1/02

• Wash-tubs; Supports therefor

M D06F 1/04

• • the tub walls or bottom having corrugations (~~rubbing boards [D06F 3/02](#)~~)

- M D06F 5/00 Hand implements for washing purposes, e.g. sticks (hand rubbing appliances [D06F 3/00](#); ~~brushes A46B~~)
- M D06F 13/00 Washing machines having receptacles, stationary for washing purposes, with agitators therein contacting the articles being washed (plungers or the like adapted for removable mounting on receptacles [D06F 5/04](#); ~~washing devices adapted to be used independently of any particular receptacle D06F 7/00~~)
- M D06F 17/00 Washing machines having receptacles, stationary for washing purposes, wherein the washing action is effected solely by circulation or agitation of the washing liquid (~~washing devices adapted to be used independently of any particular receptacle D06F 7/00~~; using vibrations for washing purposes [D06F 19/00](#))
- C D06F 18/00 Washing machines having receptacles, stationary for washing purposes, and having further drying means (~~details concerning drying only D06F 58/00~~ [control of washing or of washing and drying D06F 33/00](#), [D06F 34/00](#); [domestic laundry dryers D06F 58/00](#))
- WARNING**
*Group D06F 18/00 is impacted by reclassification into groups D06F 31/00, D06F 31/005, D06F 33/00 - D06F 33/76, D06F 34/00 - D06F 34/34, D06F 37/42, D06F 2101/00 - D06F 2101/20, D06F 2103/02 - D06F 2103/04, D06F 2103/06, D06F 2103/08, D06F 2103/20, D06F 2103/22, D06F 2103/68, D06F 2103/70, D06F 2105/50, D06F 2105/52, D06F 2105/54, D06F 2105/56, D06F 2105/58, D06F 2105/60, and D06F 2105/62.
All groups listed in this Warning should be considered in order to perform a complete search.*
- C D06F 19/00 Washing machines using vibrations for washing purposes (~~devices of the vibrator type adapted to be used independently of any particular receptacle D06F 7/04~~)
- WARNING**
Group D06F 19/00 is impacted by reclassification into group D06F 2103/66. Groups D06F 19/00 and D06F 2103/66 should be considered in order to perform a complete search.
- T D06F 21/00 Washing machines with receptacles, e.g. perforated, having a rotary movement, e.g. oscillatory movement (with receptacles serving both for washing and centrifugally [draining separating water from the laundry D06F 23/00, D06F 25/00](#); ~~with receptacles moving bodily about an axis D06F 27/00~~; [programme-control aspects D06F 33/00](#); [programme control aspects D06F 33/00](#))
- M D06F 23/00 Washing machines with receptacles, e.g. perforated, having a rotary movement, e.g. oscillatory movement, the receptacle serving both for washing and [centrifugally draining for centrifugally separating water from the laundry](#) (with further drying means [D06F 25/00](#); ~~programme-control aspects D06F 33/00~~; [programme control aspects D06F 33/00](#))

- C D06F 25/00** Washing machines with receptacles, e.g. perforated, having a rotary movement, e.g. oscillatory movement, the receptacle serving both for washing and **centrifugally draining for centrifugally separating water from the laundry** and having further drying means, e.g. using hot air (**programme-control aspects D06F 33/00; details concerning drying only D06F 58/00 control of washing or of washing and drying D06F 33/00, D06F 34/00; domestic laundry dryers D06F 58/00**)
- WARNING**
Group *D06F 25/00* is impacted by reclassification into groups *D06F 34/00 - D06F 34/34, D06F 2101/00 - D06F 2101/20, D06F 2103/00, D06F 2103/02, D06F 2103/04, D06F 2103/06, D06F 2103/08, D06F 2103/20, D06F 2103/22, D06F 2103/68, D06F 2103/70, D06F 2105/50, D06F 2105/52, D06F 2105/54, D06F 2105/56, D06F 2105/58, D06F 2105/60, and D06F 2105/62*.
All groups listed in this Warning should be considered in order to perform a complete search.
- M D06F 31/00** Washing installations comprising an assembly of several washing machines or washing units, e.g. continuous flow assemblies
- WARNING**
Groups *D06F 31/00 - D06F 31/005* are incomplete pending reclassification of documents from groups *D06F 18/00* and *D06F 39/00*.
Groups *D06F 18/00, D06F 39/00, and D06F 31/00* should be considered in order to perform a complete search.
- C D06F 33/00** **Controlling a series Control** of operations **performed** in washing machines; **e.g. programme-control arrangements for washing and drying cycles or washer-dryers** (**D06F 31/00** takes precedence; **programme-control systems in general G05B 19/00, G05G 21/00; details of control systems therefor D06F 34/00; control of operations performed in domestic laundry dryers D06F 58/32**)
- NOTE**
In this group, it is mandatory to add the indexing codes of groups *D06F 2101/00 - D06F 2105/00*.
- WARNING**
Group *D06F 33/00* is incomplete pending reclassification of documents from groups *D06F 18/00* and *D06F 39/00*.
Group *D06F 33/00* is also impacted by reclassification into groups *D06F 33/30 - D06F 33/76, D06F 34/00 - D06F 34/34, D06F 37/42, D06F 58/32 - D06F 58/52, D06F 2101/00 - D06F 2103/70, and D06F 2105/00 - D06F 2105/62*.
All groups listed in this Warning should be considered in order to perform a complete search.
- D D06F 33/02** • electrically
<administratively transferred to [D06F 33/00](#)>
- M D06F 33/04** • non-electrically
- WARNING**
Group *D06F 33/04 - D06F 33/10* are incomplete pending reclassification of documents from groups *D06F 18/00* and *D06F 39/00*.
Groups *D06F 18/00, D06F 39/00, and D06F 33/04* should be considered in order to perform a complete search.
- U D06F 33/10** • substantially pneumatically

- N D06F 33/30
- Control of washing machines characterised by the purpose or target of the control (controlling processes of washer-dryers [D06F 33/50](#))
- WARNING
- Group [D06F 33/30](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), [D06F 2202/00](#) - [D06F 2202/12](#), [D06F 2204/00](#) - [D06F 2204/10](#), [D06F 2210/00](#), [D06F 2212/00](#) - [D06F 2212/06](#), [D06F 2214/00](#), [D06F 2216/00](#), [D06F 2220/00](#), [D06F 2222/00](#), [D06F 2224/00](#), and [D06F 2226/00](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 33/32
- Control of operational steps, e.g. optimisation or improvement of operational steps depending on the condition of the laundry
- WARNING
- Group [D06F 33/32](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), and [D06F 2202/10](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 33/34
- of water filling
- WARNING
- Group [D06F 33/34](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), [D06F 2202/10](#), [D06F 2204/086](#), and [D06F 2204/088](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 33/36
- of washing
- WARNING
- Group [D06F 33/36](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 35/005](#), [D06F 35/006](#), [D06F 39/00](#), [D06F 2202/10](#), [D06F 2202/12](#), and [D06F 2204/00](#) - [D06F 2204/10](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 33/37
- of metering of detergents or additives
- WARNING
- Group [D06F 33/37](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), [D06F 39/02](#), [D06F 39/022](#), [D06F 39/024](#), [D06F 39/026](#), [D06F 39/028](#), [D06F 2202/10](#), and [D06F 2204/02](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 33/38
- of rinsing
- WARNING
- Group [D06F 33/38](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 35/005](#), [D06F 35/006](#), [D06F 39/00](#), [D06F 2202/10](#), and [D06F 2204/00](#) - [D06F 2204/10](#).
- All groups listed in this Warning should be considered in order to perform a complete search.

- N D06F 33/40
- • • of centrifugal separation of water from the laundry
- WARNING
Group [D06F 33/40](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 35/007](#), [D06F 39/00](#), [D06F 2202/10](#), [D06F 2204/06](#), and [D06F 2204/065](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 33/42
- • • of draining
- WARNING
Group [D06F 33/42](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), [D06F 39/08](#), [D06F 39/083](#), [D06F 39/085](#), [D06F 2202/10](#), and [D06F 2204/084](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 33/43
- • Control of cleaning or disinfection of washing machine parts, e.g. of tubs
- WARNING
Group [D06F 33/43](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 35/008](#), [D06F 39/00](#), [D06F 2202/10](#), and [D06F 2204/00 - D06F 2204/10](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 33/44
- • Control of the operating time, e.g. reduction of overall operating time
- WARNING
Group [D06F 33/44](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), [D06F 2202/10](#), [D06F 2204/00](#), [D06F 2204/10](#), [D06F 2212/00 - D06F 2212/06](#), and [D06F 2220/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 33/46
- • Control of the energy or water consumption
- WARNING
Group [D06F 33/46](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), [D06F 39/006](#), [D06F 2202/10](#), [D06F 2204/00 - D06F 2204/10](#), and [D06F 2226/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 33/47
- • Responding to irregular working conditions, e.g. malfunctioning of pumps (safety arrangements [D06F 37/42](#))
- WARNING
Group [D06F 33/47](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), [D06F 39/08 - D06F 39/088](#), [D06F 39/14](#), [D06F 2202/10](#), [D06F 2204/00 - D06F 2204/02](#), [D06F 2204/04](#), [D06F 2204/10](#), and [D06F 2224/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 33/48
- • Preventing or reducing imbalance or noise
- WARNING
Group [D06F 33/48](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 37/203](#), [D06F 37/22](#), [D06F 37/225](#),

[D06F 37/24](#), [D06F 37/245](#), [D06F 39/00](#), [D06F 2202/10](#), [D06F 2204/00](#) - [D06F 2204/10](#), and [D06F 2220/00](#).

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

N D06F 33/50

- Control of washer-dryers characterised by the purpose or target of the control
- WARNING**

Group [D06F 33/50](#) - [D06F 33/56](#) are incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#) - [D06F 2202/12](#), [D06F 2204/00](#) - [D06F 2204/10](#), [D06F 2210/00](#), [D06F 2212/00](#) - [D06F 2212/06](#), [D06F 2214/00](#), [D06F 2216/00](#), [D06F 2220/00](#), [D06F 2222/00](#), [D06F 2224/00](#), and [D06F 2226/00](#).

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

N D06F 33/52

- • Control of the operational steps, e.g. optimisation or improvement of operational steps depending on the condition of the laundry

N D06F 33/54

- • • of water filling

N D06F 33/56

- • • of washing

N D06F 33/57

- • • of metering of detergents or additives

WARNING

Group [D06F 33/57](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), [D06F 39/02](#), [D06F 39/022](#), [D06F 39/024](#), [D06F 39/026](#), [D06F 39/028](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#) - [D06F 2202/12](#), [D06F 2204/00](#) - [D06F 2204/10](#), [D06F 2210/00](#), [D06F 2212/00](#) - [D06F 2212/06](#), [D06F 2214/00](#), [D06F 2216/00](#), [D06F 2220/00](#), [D06F 2222/00](#), [D06F 2224/00](#), and [D06F 2226/00](#).

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

N D06F 33/58

- • • of rinsing

WARNING

Group [D06F 33/58](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 35/005](#), [D06F 35/006](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#) - [D06F 2202/12](#), [D06F 2204/00](#) - [D06F 2204/10](#), [D06F 2210/00](#), [D06F 2212/00](#), [D06F 2212/02](#), [D06F 2212/04](#), [D06F 2212/06](#), [D06F 2214/00](#), [D06F 2216/00](#), [D06F 2220/00](#), [D06F 2222/00](#), [D06F 2224/00](#), and [D06F 2226/00](#).

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

N D06F 33/60

- • • of centrifugal separation of water from the laundry

WARNING

Group [D06F 33/60](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 35/007](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#) - [D06F 2202/12](#), [D06F 2204/00](#) - [D06F 2204/10](#), [D06F 2210/00](#), [D06F 2212/00](#), [D06F 2212/02](#), [D06F 2212/04](#), [D06F 2212/06](#), [D06F 2214/00](#), [D06F 2216/00](#), [D06F 2220/00](#), [D06F 2222/00](#), [D06F 2224/00](#), and [D06F 2226/00](#).

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

- N D06F 33/62
- • • of draining
- WARNING**
- Group [D06F 33/62](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), [D06F 39/08](#), [D06F 39/083](#), [D06F 39/085](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#) - [D06F 2202/12](#), [D06F 2204/00](#) - [D06F 2204/10](#), [D06F 2210/00](#), [D06F 2212/00](#) - [D06F 2212/06](#), [D06F 2214/00](#), [D06F 2216/00](#), [D06F 2220/00](#), [D06F 2222/00](#), [D06F 2224/00](#), and [D06F 2226/00](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 33/63
- • • of air flow, e.g. blowing air during the washing process to prevent entanglement of the laundry
- WARNING**
- Groups [D06F 33/63](#) - [D06F 33/64](#) are incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#) - [D06F 2202/12](#), [D06F 2204/00](#) - [D06F 2204/10](#), [D06F 2210/00](#), [D06F 2212/00](#) - [D06F 2212/06](#), [D06F 2214/00](#), [D06F 2216/00](#), [D06F 2220/00](#), [D06F 2222/00](#), [D06F 2224/00](#), and [D06F 2226/00](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 33/64
- • • • Unheated air
- N D06F 33/65
- • • of conditioning or finishing phases, e.g. for smoothing or removing creases
- WARNING**
- Group [D06F 33/65](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), [D06F 39/008](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#) - [D06F 2202/12](#), [D06F 2204/00](#) - [D06F 2204/10](#), [D06F 2210/00](#), [D06F 2212/00](#) - [D06F 2212/06](#), [D06F 2214/00](#), [D06F 2216/00](#), [D06F 2220/00](#), [D06F 2222/00](#), [D06F 2224/00](#), and [D06F 2226/00](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 33/68
- • • of the sequence of washing and drying operations
- WARNING**
- Group [D06F 33/68](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), [D06F 39/008](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#) - [D06F 2202/12](#), [D06F 2204/00](#) - [D06F 2204/10](#), [D06F 2210/00](#), [D06F 2212/00](#) - [D06F 2212/06](#), [D06F 2214/00](#), [D06F 2216/00](#), [D06F 2220/00](#), [D06F 2222/00](#), [D06F 2224/00](#), and [D06F 2226/00](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 33/69
- • Control of cleaning or disinfection of washer-dryer parts, e.g. of tubs
- WARNING**
- Group [D06F 33/69](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 35/008](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#) - [D06F 2202/12](#), [D06F 2204/00](#) - [D06F 2204/10](#), [D06F 2210/00](#), [D06F 2212/00](#) - [D06F 2212/06](#), [D06F 2214/00](#), [D06F 2216/00](#), [D06F 2220/00](#), [D06F 2222/00](#), [D06F 2224/00](#), and [D06F 2226/00](#).

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

N D06F 33/70

- Control of the operating time, e.g. reduction of overall operating time

WARNING

Group [D06F 33/70](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 35/008](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00 - D06F 2202/12](#), [D06F 2204/00 - D06F 2204/10](#), [D06F 2210/00](#), [D06F 2212/00 - D06F 2212/06](#), [D06F 2214/00](#), [D06F 2216/00](#), [D06F 2220/00](#), [D06F 2222/00](#), [D06F 2224/00](#), and [D06F 2226/00](#).

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

N D06F 33/72

- Control of the energy or water consumption

WARNING

Group [D06F 33/72](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), [D06F 39/006](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00 - D06F 2202/12](#), [D06F 2204/00 - D06F 2204/10](#), [D06F 2210/00](#), [D06F 2212/00 - D06F 2212/06](#), [D06F 2214/00](#), [D06F 2216/00](#), [D06F 2220/00](#), [D06F 2222/00](#), [D06F 2224/00](#), and [D06F 2226/00](#).

Groups [D06F 33/72](#) and [D06F 33/72](#) should be considered in order to perform a complete search.

N D06F 33/74

- Responding to irregular working conditions, e.g. malfunctioning of pumps (safety arrangements for washing machines [D06F 37/42](#))

WARNING

Group [D06F 33/74](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 39/00](#), [D06F 39/08](#), [D06F 39/081](#), [D06F 39/082](#), [D06F 39/083](#), [D06F 39/085](#), [D06F 39/086](#), [D06F 39/087](#), [D06F 39/088](#), [D06F 39/14](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00 - D06F 2202/12](#), [D06F 2204/00 - D06F 2204/10](#), [D06F 2210/00](#), [D06F 2212/00 - D06F 2212/06](#), [D06F 2214/00](#), [D06F 2216/00](#), [D06F 2220/00](#), [D06F 2222/00](#), [D06F 2224/00](#), and [D06F 2226/00](#).

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

N D06F 33/76

- Preventing or reducing imbalance or noise

WARNING

Group [D06F 33/76](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 33/00](#), [D06F 37/203](#), [D06F 37/22](#), [D06F 37/225](#), [D06F 37/24](#), [D06F 37/245](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00 - D06F 2202/12](#), [D06F 2204/00 - D06F 2204/10](#), [D06F 2210/00](#), [D06F 2212/00 - D06F 2212/06](#), [D06F 2214/00](#), [D06F 2216/00](#), [D06F 2220/00](#), [D06F 2222/00](#), [D06F 2224/00](#), and [D06F 2226/00](#).

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

N D06F 34/00 **Details of control systems for washing machines, washer-dryers or laundry dryers**

NOTE

In this group, it is mandatory to add the indexing codes of groups [D06F 2101/00](#) - [D06F 2105/00](#).

WARNING

Group [D06F 34/00](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 35/00](#), [D06F 35/001](#), [D06F 35/002](#), [D06F 35/003](#), [D06F 35/004](#), [D06F 35/005](#), [D06F 35/006](#), [D06F 35/007](#), [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2204/00](#).

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

N D06F 34/04 • Signal transfer or data transmission arrangements

WARNING

Groups [D06F 34/04](#) - [D06F 34/05](#) are incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 35/00](#), [D06F 35/001](#), [D06F 35/002](#), [D06F 35/003](#), [D06F 35/004](#), [D06F 35/005](#), [D06F 35/006](#), [D06F 35/007](#), [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2204/00](#).

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

N D06F 34/05 • • for wireless communication between components, e.g. for remote monitoring or control

N D06F 34/06 • Timing arrangements

WARNING

Group [D06F 34/06](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 35/00](#) - [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#), [D06F 2202/12](#), [D06F 2204/00](#), [D06F 2212/00](#) - [D06F 2212/06](#), and [D06F 2220/00](#).

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

N D06F 34/08 • Control circuits or arrangements thereof

WARNING

Group [D06F 34/08](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 35/00](#), [D06F 35/001](#), [D06F 35/002](#), [D06F 35/003](#), [D06F 35/004](#), [D06F 35/005](#), [D06F 35/006](#), [D06F 35/007](#), [D06F 35/008](#), [D06F 37/00](#), [D06F 37/203](#), [D06F 37/22](#), [D06F 37/225](#), [D06F 37/24](#), [D06F 37/245](#), [D06F 37/30](#), [D06F 37/304](#), [D06F 37/306](#), [D06F 39/00](#), [D06F 39/006](#), [D06F 39/022](#), [D06F 39/04](#), [D06F 39/06](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2204/00](#).

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

N D06F 34/10 • Power supply arrangements, e.g. stand-by circuits

WARNING

Group [D06F 34/10](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 35/00](#), [D06F 35/001](#),

[D06F 35/002](#), [D06F 35/003](#), [D06F 35/004](#), [D06F 35/005](#), [D06F 35/006](#),
[D06F 35/007](#), [D06F 35/008](#), [D06F 37/00](#), [D06F 37/30](#), [D06F 37/304](#),
[D06F 37/306](#), [D06F 37/42](#), [D06F 39/00](#), [D06F 39/081](#), [D06F 39/12](#),
[D06F 39/14](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/08](#), [D06F 58/20](#),
[D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2204/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.

N D06F 34/14

- Arrangements for detecting or measuring specific parameters

WARNING

Group [D06F 34/14](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 35/00](#), [D06F 35/001](#), [D06F 35/002](#), [D06F 35/003](#), [D06F 35/004](#), [D06F 35/005](#), [D06F 35/006](#), [D06F 35/007](#), [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2204/00](#).

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

N D06F 34/16

- Imbalance

WARNING

Group [D06F 34/16](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 35/00](#), [D06F 35/001](#), [D06F 35/002](#), [D06F 35/003](#), [D06F 35/004](#), [D06F 35/005](#), [D06F 35/006](#), [D06F 35/007](#), [D06F 35/008](#), [D06F 37/00](#), [D06F 37/203](#), [D06F 37/22](#), [D06F 37/225](#), [D06F 37/24](#), [D06F 37/245](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#), [D06F 2202/12](#), [D06F 2204/00](#), and [D06F 2222/00](#).

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

Q D06F 34/18

- Condition of the laundry, e.g. nature or weight

WARNING

Group [D06F 34/18](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 35/00](#), [D06F 35/001](#), [D06F 35/002](#), [D06F 35/003](#), [D06F 35/004](#), [D06F 35/005](#), [D06F 35/006](#), [D06F 35/007](#), [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2204/00](#).

Group [D06F 34/18](#) is also impacted by reclassification into groups [D06F 2103/02](#), [D06F 2103/04](#), [D06F 2103/06](#), and [D06F 2103/08](#).

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

N D06F 34/20

- Parameters relating to constructional components, e.g. door sensors

WARNING

Group [D06F 34/20](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 35/00](#), [D06F 35/001](#), [D06F 35/002](#), [D06F 35/003](#), [D06F 35/004](#), [D06F 35/005](#), [D06F 35/006](#), [D06F 35/007](#), [D06F 35/008](#), [D06F 37/00](#), [D06F 37/10](#), [D06F 37/18](#), [D06F 37/28](#), [D06F 37/302](#), [D06F 37/42](#), [D06F 39/00](#), [D06F 39/12](#), [D06F 39/125](#), [D06F 39/14](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2204/00](#).

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

- Q D06F 34/22
- • Condition of the washing liquid, e.g. turbidity
- WARNING
- Group [D06F 34/22](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 35/00](#), [D06F 35/001](#), [D06F 35/002](#), [D06F 35/003](#), [D06F 35/004](#), [D06F 35/005](#), [D06F 35/006](#), [D06F 35/007](#), [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2204/00](#).
- Group [D06F 34/22](#) is also impacted by reclassification into groups [D06F 2103/20](#) and [D06F 2103/22](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 34/24
- • • Liquid temperature
- WARNING
- Group [D06F 34/24](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 35/00](#), [D06F 35/001](#), [D06F 35/002](#), [D06F 35/003](#), [D06F 35/004](#), [D06F 35/005](#), [D06F 35/006](#), [D06F 35/007](#), [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 39/006](#), [D06F 39/04](#), [D06F 39/045](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#), [D06F 2202/04](#), [D06F 2202/12](#), [D06F 2204/00](#), [D06F 2204/04](#), and [D06F 2226/00](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 34/26
- • Condition of the drying air, e.g. air humidity or temperature
- WARNING
- Group [D06F 34/26](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 35/00](#), [D06F 35/001](#), [D06F 35/002](#), [D06F 35/003](#), [D06F 35/004](#), [D06F 35/005](#), [D06F 35/006](#), [D06F 35/007](#), [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/10](#), [D06F 58/12](#), [D06F 58/14](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2204/00](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- Q D06F 34/28
- Arrangements for program selection, e.g. control panels therefor; Arrangements for indicating program parameters, e.g. the selected program or its progress
- WARNING
- Group [D06F 34/28](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 35/00](#) - [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2204/00](#).
- Group [D06F 34/28](#) is also impacted by reclassification into groups [D06F 34/30](#), [D06F 34/32](#), [D06F 34/34](#), [D06F 2101/00](#) - [D06F 2101/20](#), [D06F 2103/68](#), [D06F 2103/70](#), [D06F 2105/50](#) - [D06F 2105/60](#), and [D06F 2105/62](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 34/30
- • characterised by mechanical features, e.g. buttons or rotary dials
- WARNING
- Group [D06F 34/30](#) - [D06F 34/34](#) are incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 34/28](#), [D06F 35/00](#) - [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00](#),

[D06F 58/02](#), [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#),
[D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2204/00](#).

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

N D06F 34/32

- characterised by graphical features, e.g. touchscreens

N D06F 34/34

- characterised by mounting or attachment features, e.g. detachable control panels or detachable display panels

C D06F 35/00

Washing machines, apparatus, or methods not otherwise provided for

WARNING

Group [D06F 35/00](#) is impacted by reclassification into groups [D06F 34/00](#), [D06F 34/04 - D06F 34/34](#), [D06F 2101/00 - D06F 2101/20](#), [D06F 2103/00 - D06F 2103/70](#), [D06F 2105/50](#), and [D06F 2105/52 - D06F 2105/62](#).

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

C D06F 35/001

- {using ozone}

WARNING

Group [D06F 35/001](#) is impacted by reclassification into groups [D06F 34/00](#), [D06F 34/04 - D06F 34/34](#), [D06F 2101/00 - D06F 2101/20](#), [D06F 2103/00 - D06F 2103/70](#), [D06F 2105/50](#), and [D06F 2105/52 - D06F 2105/62](#).

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

C D06F 35/002

- {using bubbles}

WARNING

Group [D06F 35/002](#) is impacted by reclassification into groups [D06F 34/00](#), [D06F 34/04 - D06F 34/34](#), [D06F 2101/00 - D06F 2101/20](#), [D06F 2103/00 - D06F 2103/70](#), [D06F 2105/50](#), and [D06F 2105/52 - D06F 2105/62](#).

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

C D06F 35/003

- {using electrochemical cells}

WARNING

Group [D06F 35/003](#) is impacted by reclassification into [D06F 34/00](#), [D06F 34/04 - D06F 34/34](#), [D06F 2101/00 - D06F 2101/20](#), [D06F 2103/00 - D06F 2103/70](#), [D06F 2105/50](#), and [D06F 2105/52 - D06F 2105/62](#).

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

C D06F 35/004

- {using chlorine generators}

WARNING

Group [D06F 35/004](#) is impacted by reclassification into groups [D06F 34/00](#), [D06F 34/04 - D06F 34/34](#), [D06F 2101/00 - D06F 2101/20](#), [D06F 2103/00 - D06F 2103/70](#), [D06F 2105/50](#), and [D06F 2105/52 - D06F 2105/62](#).

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

C D06F 35/005

- {Methods for washing, rinsing or spin-drying}

WARNING

Group [D06F 35/005](#) is impacted by reclassification into groups [D06F 33/36](#), [D06F 33/38](#), [D06F 33/56](#), [D06F 33/58](#), [D06F 34/00](#), [D06F 34/04 - D06F 34/34](#), [D06F 2101/00 - D06F 2101/20](#), [D06F 2103/00 - D06F 2103/70](#), [D06F 2105/50](#), and [D06F 2105/52 - D06F 2105/62](#).

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

- C D06F 35/006
 - {for washing or rinsing only}

WARNING

Group D06F 35/006 is impacted by reclassification into groups D06F 33/36, D06F 33/38, D06F 33/56, D06F 33/58 - D06F 34/00, D06F 34/04 - D06F 34/34, D06F 2101/00 - D06F 2101/20, D06F 2103/00 - D06F 2103/70, D06F 2105/50, and D06F 2105/52 - D06F 2105/62.

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

- C D06F 35/007
 - {for spin-drying only}

WARNING

Group D06F 35/007 is impacted by reclassification into groups D06F 33/40, D06F 33/60, D06F 34/00, D06F 34/04 - D06F 34/34, D06F 2101/00 - D06F 2101/20, D06F 2103/00 - D06F 2103/70, D06F 2105/50, and D06F 2105/52 - D06F 2105/62.

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

- C D06F 35/008
 - {for disinfecting the tub or the drum}

WARNING

Group D06F 35/008 is impacted by reclassification into groups D06F 33/43, D06F 33/69, D06F 34/00 - D06F 34/34, D06F 2101/00 - D06F 2101/20, D06F 2103/00 - D06F 2103/70, D06F 2105/50, and D06F 2105/52 - D06F 2105/62.

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

- C D06F 37/00
 - **Details of specific to washing machines of kinds covered by groups D06F 21/00 - D06F 25/00, restricted to machines of these kinds (details of more general application D06F 39/00; details concerning drying only D06F 58/00)**

WARNING

Group D06F 37/00 is impacted by reclassification into groups D06F 34/00 - D06F 34/34, D06F 2101/00 - D06F 2101/20, D06F 2103/00 - D06F 2103/70, D06F 2105/50, and D06F 2105/52 - D06F 2105/62.

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

- U D06F 37/02
 - Rotary receptacles, e.g. drums
- U D06F 37/04
 - · adapted for rotation or oscillation about a horizontal or inclined axis
- C D06F 37/10
 - · · Doors; Securing means therefor

WARNING

Group D06F 37/10 is impacted by reclassification into groups D06F 34/20, D06F 2103/40, and D06F 2105/44.

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

- U D06F 37/12
 - · adapted for rotation or oscillation about a vertical axis
- C D06F 37/18
 - · · Doors or covers; Securing means therefor

WARNING

Group D06F 37/18 is impacted by reclassification into groups D06F 34/20, D06F 2103/40, and D06F 2105/44.

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

- M D06F 37/20
 - Mountings, e.g. resilient mountings, for the rotary receptacle, motor, tub, or casing; ~~preventing~~ Preventing or damping vibrations (~~{counterweights mounted to the tub or mountings therefor D06F 37/265}~~; ~~damping vibrations in general F16F~~)

- F D06F 37/203
(Frozen)
 - {Arrangements for detecting or measuring unbalance; Preventing vibrations by regulating the speed of rotation of the drum (sensing vibrations to control introduction of counterbalancing liquid [D06F 37/225](#), [D06F 37/245](#))}

WARNING

Group D06F 37/203 is no longer used for the classification of documents as of February 1, 2020.

The content of this group is being reclassified into groups [D06F 33/48](#), [D06F 33/76](#), [D06F 34/08](#), [D06F 34/16](#), [D06F 2103/26](#), and [D06F 2103/46](#). All groups listed in this Warning should be considered in order to perform a complete search.

- C D06F 37/22
 - in machines with a receptacle rotating or oscillating about a horizontal axis

WARNING

Group D06F 37/22 is impacted by reclassification into groups [D06F 33/48](#), [D06F 33/76](#), [D06F 34/08](#), and [D06F 34/16](#).

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

- C D06F 37/225
 - {Damping vibrations by displacing, supplying or ejecting a material, e.g. liquid, into or from counterbalancing pockets}

WARNING

Group [D06F 37/225](#) is impacted by reclassification into groups [D06F 33/48](#), [D06F 33/76](#), [D06F 34/08](#), and [D06F 34/16](#).

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

- C D06F 37/24
 - in machines with a receptacle rotating or oscillating about a vertical axis

WARNING

Group [D06F 37/24](#) is impacted by reclassification into groups [D06F 33/48](#), [D06F 33/76](#), [D06F 34/08](#), and [D06F 34/16](#).

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

- C D06F 37/245
 - {Damping vibrations by displacing, supplying or ejecting a material, e.g. liquid, into or from counterbalancing pockets}

WARNING

Group [D06F 37/245](#) is impacted by reclassification into groups [D06F 33/48](#), [D06F 33/76](#), [D06F 34/08](#), and [D06F 34/16](#).

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

- U D06F 37/26
 - Casings; Tubs

- C D06F 37/28
 - Doors; Security means therefor

WARNING

Group [D06F 37/28](#) is impacted by reclassification into group [D06F 34/20](#).

Groups [D06F 37/28](#) and [D06F 34/20](#) should be considered in order to perform a complete search.

- C D06F 37/30
- Driving arrangements (*control circuits or arrangements D06F 34/08*)
- WARNING**
*Group D06F 37/30 is impacted by reclassification into groups D06F 34/08 and D06F 34/10.
 Groups D06F 37/30, D06F 34/08, and D06F 34/10 should be considered in order to perform a complete search.*
- C D06F 37/302
- • {Automatic drum positioning}
- WARNING**
*Group(s) D06F 37/302 is impacted by reclassification into group(s) Group D06F 37/302.
 All groups listed in this Warning should be considered in order to perform a complete search.*
- C D06F 37/304
- • {~~Electric speed control~~; {Arrangements or adaptations of electric motors (D06F 37/203 takes precedence)}}
- WARNING**
*Group D06F 37/304 is impacted by reclassification into groups D06F 34/08, D06F 34/10, D06F 2103/24, D06F 2103/46, D06F 2105/46, and D06F 2105/48.
 All groups listed in this Warning should be considered in order to perform a complete search.*
- F D06F 37/306
 (Frozen)
- • • {Control of the reversing movement}
- WARNING**
*Group D06F 37/306 is no longer used for the classification of documents as of February 1, 2020.
 The content of this group is being reclassified into groups D06F 34/08 and D06F 34/10.
 Groups D06F 37/306, D06F 34/08, and D06F 34/10 should be considered in order to perform a complete search.*
- C D06F 37/42
- Safety arrangements, e.g. for stopping rotation of the receptacle upon opening of the casing door
- WARNING**
*Group D06F 37/42 is incomplete pending reclassification of documents from groups D06F 18/00, D06F 33/00, D06F 39/00, D06F 39/081, D06F 39/082, D06F 39/085, D06F 39/086, D06F 39/088, D06F 39/14, D06F 2204/082, and D06F 2204/084.
 Group D06F 37/42 is also impacted by reclassification into groups D06F 34/10, D06F 34/20, D06F 2103/40, D06F 2103/44, D06F 2105/44, D06F 2105/50, and D06F 2105/62.
 All groups listed in this Warning should be considered in order to perform a complete search.*
- C D06F 39/00
- Details of washing machines in so far as such details are not special to washing machines of groups not specific to D06F 21/00 – D06F 25/00 or to any particular type of washing machine defined in a single type of machines covered by groups D06F 9/00 - D06F 19/00 or D06F 27/00 (control of washing machines D06F 33/00, D06F 34/00)**
- WARNING**
Group D06F 39/00 is impacted by reclassification into groups D06F 31/00, D06F 31/005, D06F 33/00 - D06F 33/76, D06F 37/42, D06F 34/00 - D06F 34/34, D06F 2101/00 - D06F 2101/20, D06F 2103/02 - D06F 2103/70, and D06F 2105/50 - D06F 2105/62.

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

- D D06F 39/002
- {Arrangements for detecting or measuring the condition of the laundry or the washing water, e.g. nature or weight of the laundry, turbidity of the washing water}
- <administratively transferred to [D06F 34/18](#) and [D06F 34/22](#)>
- D D06F 39/003
- {Arrangements for measuring or detecting the condition of the laundry, e.g. nature or weight}
- <administratively transferred to [D06F 34/18](#)>
- D D06F 39/004
- {Arrangements for measuring or detecting the condition of the washing water, e.g. turbidity}
- <administratively transferred to [D06F 34/22](#)>
- D D06F 39/005
- {Arrangements for programme selection; Indication of the selected programme, programme progress or other variables, e.g. temperature (time-programme switches H01H 43/00)}
- <administratively transferred to [D06F 34/28](#)>
- C D06F 39/006
- {Recovery arrangements, e.g. for the recovery of energy or water}
- WARNING**
Group D06F 39/006 is impacted by reclassification into groups [D06F 33/46](#), [D06F 33/72](#), [D06F 34/08](#), [D06F 34/24](#), [D06F 2103/44](#), [D06F 2103/46](#), [D06F 2103/50](#), and [D06F 2105/26](#). All groups listed in this Warning should be considered in order to perform a complete search.
- C D06F 39/007
- {Arrangements of water softeners ~~(water softeners in general C02F)~~}
- WARNING**
Group [D06F 39/007](#) is impacted by reclassification into group [D06F 2103/20](#). Groups [D06F 39/007](#) and [D06F 2103/20](#) should be considered in order to perform a complete search.
- C D06F 39/008
- {Steam generating arrangements}
- WARNING**
Group [D06F 39/008](#) is impacted by reclassification into groups [D06F 33/65](#), [D06F 2103/62](#), and [D06F 2105/40](#). All groups listed in this Warning should be considered in order to perform a complete search.
- C D06F 39/02
- Devices for adding soap or other washing agents
- WARNING**
Group [D06F 39/02](#) is impacted by reclassification into groups [D06F 33/37](#), [D06F 33/57](#), and [D06F 2103/22](#). All groups listed in this Warning should be considered in order to perform a complete search.
- C D06F 39/022
- {in a liquid state ([D06F 39/024](#) takes precedence)}
- WARNING**
Group [D06F 39/022](#) is impacted by reclassification into groups [D06F 33/37](#), [D06F 33/57](#), [D06F 34/08](#), [D06F 2103/22](#), [D06F 2105/58](#), and [D06F 2105/60](#). All groups listed in this Warning should be considered in order to perform a complete search.

- C D06F 39/024
- {mounted on the agitator or the rotating drum; Free body dispensers}
- WARNING**
*Group D06F 39/024 is impacted by reclassification into groups [D06F 33/37](#), [D06F 33/57](#), and [D06F 2103/22](#).
All groups listed in this Warning should be considered in order to perform a complete search.*
- C D06F 39/026
- {the powder or tablets being added directly, e.g. without the need of a flushing liquid}
- WARNING**
*Group D06F 39/026 is impacted by reclassification into groups [D06F 33/37](#), [D06F 33/57](#), and [D06F 2103/22](#).
All groups listed in this Warning should be considered in order to perform a complete search.*
- C D06F 39/028
- {Arrangements for selectively supplying water to detergent compartments}
- WARNING**
*Group D06F 39/028 is impacted by reclassification into groups [D06F 33/37](#), [D06F 33/57](#), and [D06F 2103/22](#).
All groups listed in this Warning should be considered in order to perform a complete search.*
- C D06F 39/04
- Heating arrangements
- WARNING**
*Group D06F 39/04 is incomplete pending reclassification of documents from group [D06F 39/045](#).
Group D06F 39/04 is also impacted by reclassification into groups [D06F 34/08](#), [D06F 34/24](#), [D06F 2103/52](#), [D06F 2103/64](#), [D06F 2105/10](#), and [D06F 2105/28](#).
All groups listed in this Warning should be considered in order to perform a complete search.*
- F D06F 39/045
(Frozen)
- {Temperature measuring or regulating devices}
- WARNING**
*Group D06F 39/045 is no longer used for the classification of documents as of February 1, 2020.
The content of this group is being reclassified into groups [D06F 34/24](#), [D06F 39/04](#), [D06F 2103/16](#), and [D06F 2105/10](#).
All groups listed in this Warning should be considered in order to perform a complete search.*
- C D06F 39/06
- Arrangements for preventing or destroying scum
- WARNING**
*Group D06F 39/06 is impacted by reclassification into groups [D06F 34/08](#), [D06F 2105/50](#), [D06F 2105/58](#), [D06F 2105/60](#), and [D06F 2105/62](#).
All groups listed in this Warning should be considered in order to perform a complete search.*
- C D06F 39/08
- Liquid supply or discharge arrangements (**supplying liquid detergent ~~D06F 39/02~~ supply of soap or other washing agents [D06F 39/02](#)**)
- WARNING**
*Group D06F 39/08 is impacted by reclassification into groups [D06F 33/42](#), [D06F 33/47](#), [D06F 33/62](#), and [D06F 33/74](#).
All groups listed in this Warning should be considered in order to perform a complete search.*

- C D06F 39/081
- {Safety arrangements for preventing water damage}
- WARNING**
Group D06F 39/081 is impacted by reclassification into groups D06F 33/47, D06F 33/74, D06F 34/10, D06F 37/42, D06F 2105/58, and D06F 2105/60. All groups listed in this Warning should be considered in order to perform a complete search.
- C D06F 39/082
- • {detecting faulty draining operations, e.g. filter blockage, faulty pump}
- WARNING**
Group D06F 39/082 is impacted by reclassification into groups D06F 33/47, D06F 33/74, D06F 37/42, D06F 2103/42, D06F 2103/48, D06F 2105/58, and D06F 2105/60. All groups listed in this Warning should be considered in order to perform a complete search.
- C D06F 39/083
- {Liquid discharge or recirculation arrangements}
- WARNING**
Group D06F 39/083 is impacted by reclassification into groups D06F 33/42, D06F 33/47, D06F 33/62, and D06F 33/74. All groups listed in this Warning should be considered in order to perform a complete search.
- C D06F 39/085
- • {Arrangements or adaptations of pumps (pumps in general F04)}
- WARNING**
Group D06F 39/085 is impacted by reclassification into groups D06F 33/42, D06F 33/47, D06F 33/62, D06F 33/74, D06F 37/42, D06F 2103/42, and D06F 2103/48. All groups listed in this Warning should be considered in order to perform a complete search.
- C D06F 39/086
- • {Arrangements for avoiding detergent wastage in the discharge conduit}
- WARNING**
Group D06F 39/086 is impacted by reclassification into groups D06F 33/47, D06F 33/74, and D06F 37/42. All groups listed in this Warning should be considered in order to perform a complete search.
- C D06F 39/087
- {Water level measuring or regulating devices}
- WARNING**
Group D06F 39/087 is impacted by reclassification into groups D06F 33/47, D06F 33/74, and D06F 2103/18. All groups listed in this Warning should be considered in order to perform a complete search.
- C D06F 39/088
- {Liquid supply arrangements}
- WARNING**
Group D06F 39/088 is impacted by reclassification into groups D06F 33/47, D06F 33/74, and D06F 37/42. All groups listed in this Warning should be considered in order to perform a complete search.
- C D06F 39/10
- Filtering arrangements
- WARNING**
Group D06F 39/10 is impacted by reclassification into group D06F 2103/42.

Groups D06F 39/10 and D06F 2103/42 should be considered in order to perform a complete search.

C D06F 39/12 · Casings; Tubs

WARNING

Group D06F 39/12 is impacted by reclassification into groups D06F 34/10 and D06F 34/20.

Groups D06F 39/12, D06F 34/10, and D06F 34/20 should be considered in order to perform a complete search.

C D06F 39/125 · {Supporting arrangements for the casing, e.g. rollers or legs}

WARNING

Group D06F 39/125 is impacted by reclassification into group D06F 34/20.

Groups D06F 39/125 and D06F 34/20 should be considered in order to perform a complete search.

C D06F 39/14 · Doors or covers; Securing means therefor

WARNING

Group D06F 39/14 is impacted by reclassification into groups D06F 33/47, D06F 33/74, D06F 37/42, D06F 34/10, D06F 34/20, D06F 2103/40, and D06F 2105/44.

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

**U D06F 43/00 Dry-cleaning apparatus {or methods} using volatile solvents
([D06F 9/00](#) - [D06F 41/00](#) take precedence)**

M D06F 43/08 · Associated apparatus for handling and recovering the solvents (~~separate apparatus for purifying dry-cleaning solvents B01D~~)

U D06F 45/00 Wringing machines with two or more co-operating rollers; Similar cold-smoothing apparatus

M D06F 45/14 · with means for removable attachment to washing machines, tables or other supports (~~combined with tables A47B~~)

**M D06F 49/00 Domestic spin-dryers or similar spin-dryers not suitable for industrial use
(~~centrifuges in general B04B~~)**

M D06F 49/06 · Mountings, e.g. resilient mountings, for the bowl or casings; Preventing or damping vibrations (~~damping vibrations in general F16F~~)

**M D06F 53/00 Clothes-lines; Supports therefor (drying frames incorporating clothes-lines
[D06F 57/00](#); ~~supports or holders specially adapted or mounted for storing and repeatedly paying-out and restoring lengths of lines B65H 75/34; ropes, cables D07B~~)**

M D06F 53/04 · Supports, e.g. poles, props for clothes-lines (~~poles in general E04H~~)

M D06F 57/00 Supporting means, other than simple clothes-lines, for linen or garments to be dried or aired (in combination with means for heating or positive air circulation [D06F 58/00](#), [F26B](#); adapted to retain the shape of particular articles being dried [D06F 59/00](#); ~~clothing hangers, e.g. suit hangers A47G 25/14~~)

- C D06F 58/00 Domestic laundry ~~driers~~-~~dryers~~(drying in general F26B)
- NOTE**
In this group, it is mandatory to add the indexing codes of groups D06F 2101/00 - D06F 2105/00.
- WARNING**
Group D06F 58/00 is impacted by reclassification into groups D06F 58/30 - D06F 58/52, D06F 33/50 - D06F 33/76, D06F 34/00 - D06F 34/34, D06F 2101/00 - D06F 2101/20, D06F 2103/00 - D06F 2103/70, and D06F 2105/00 - D06F 2105/62.
All groups listed in this Warning should be considered in order to perform a complete search.
- C D06F 58/02
- having ~~drier~~~~dryer~~ drums rotating about a horizontal axis
- WARNING**
Group D06F 58/02 is impacted by reclassification into groups D06F 34/20, D06F 34/26, D06F 33/50 - D06F 33/76, D06F 34/00 - D06F 34/34, D06F 58/30 - D06F 58/52, D06F 2101/00, D06F 2101/02, D06F 2101/00 - D06F 2101/20, D06F 2103/00 - D06F 2103/70, and D06F 2105/00 - D06F 2105/62.
All groups listed in this Warning should be considered in order to perform a complete search.
- C D06F 58/04
- Details (controlling or regulating ~~arrangements~~~~devices~~ D06F 58/28D06F 34/00)
- WARNING**
Group D06F 58/04 is impacted by reclassification into groups D06F 34/00 - D06F 34/34, D06F 2101/00 - D06F 2101/20, D06F 2103/02 - D06F 2103/08, D06F 2103/20, D06F 2103/22, D06F 2103/40, D06F 2103/68, D06F 2103/70, D06F 2105/44, and D06F 2105/50 - D06F 2105/62.
All groups listed in this Warning should be considered in order to perform a complete search.
- C D06F 58/08
- • Driving arrangements
- WARNING**
Group D06F 58/08 is impacted by reclassification into groups D06F 34/10, D06F 2103/44, D06F 2103/46, D06F 2105/46, and D06F 2105/48.
All groups listed in this Warning should be considered in order to perform a complete search.
- C D06F 58/10
- Drying cabinets or drying chambers having heating or ventilating means
- WARNING**
Group D06F 58/10 is impacted by reclassification into group D06F 34/26.
Groups D06F 58/10 and D06F 34/26 should be considered in order to perform a complete search.
- C D06F 58/12
- • having conveying means for moving clothes, e.g. along an endless track
- WARNING**
Group D06F 58/12 is impacted by reclassification into group D06F 34/26.
Groups D06F 58/12 and D06F 34/26 should be considered in order to perform a complete search.
- C D06F 58/14
- • Collapsible drying cabinets; Wall mounted collapsible hoods
- WARNING**
Group D06F 58/14 is impacted by reclassification into group D06F 34/26.

Groups D06F 58/14 and D06F 34/26 should be considered in order to perform a complete search.

- C D06F 58/20 • General details of domestic laundry **driers****dryers** ([D06F 59/00](#) takes precedence)

WARNING

Group D06F 58/20 is impacted by reclassification into groups D06F 33/63, D06F 33/64, D06F 34/04, D06F 34/05, D06F 34/10, D06F 34/16, D06F 34/18, D06F 34/20, D06F 34/26 D06F 34/34, D06F 58/45, D06F 58/52, D06F 2101/00 - D06F 2101/20, D06F 2103/02 - D06F 2103/08, D06F 2103/40, D06F 2103/54, D06F 2103/56, D06F 2103/68, D06F 2103/70, D06F 2105/30, D06F 2105/32, D06F 2105/36, D06F 2105/44, and D06F 2105/50 - D06F 2105/62. All groups listed in this Warning should be considered in order to perform a complete search.

- C D06F 58/203 • • {Laundry conditioning arrangements}

WARNING

Group D06F 58/203 is impacted by reclassification into groups D06F 33/50 - D06F 33/76, D06F 34/00 - D06F 34/34, D06F 58/30 - D06F 58/52, D06F 2101/00 - D06F 2101/20, D06F 2103/00 - D06F 2103/70, and D06F 2105/00 - D06F 2105/62. All groups listed in this Warning should be considered in order to perform a complete search.

- C D06F 58/206 • • {Heat pump arrangements}

WARNING

Group D06F 58/206 is impacted by reclassification into groups D06F 58/48, D06F 2103/50, and D06F 2105/26. All groups listed in this Warning should be considered in order to perform a complete search.

- C D06F 58/22 • • Lint collecting arrangements

WARNING

Group D06F 58/22 is impacted by reclassification into groups D06F 58/45 and D06F 2105/34. Groups D06F 58/22, D06F 58/45, and D06F 2105/34 should be considered in order to perform a complete search.

- C D06F 58/24 • • Condensing arrangements

WARNING

Group D06F 58/24 is impacted by reclassification into groups D06F 58/45, D06F 2103/58, and D06F 2105/36. All groups listed in this Warning should be considered in order to perform a complete search.

- C D06F 58/26 • • Heating arrangements, e.g. gas heating equipment ([D06F 58/18](#) takes precedence)

WARNING

Group D06F 58/26 is impacted by reclassification into groups D06F 2103/52 and D06F 2105/28. Groups D06F 58/26, D06F 2103/52, and D06F 2105/28 should be considered in order to perform a complete search.

- C D06F 58/263 . . . {Gas heating equipment}
- WARNING**
Group D06F 58/263 is impacted by reclassification into groups D06F 2103/52 and D06F 2105/28. Groups D06F 58/263, D06F 2103/52, and D06F 2105/28 should be considered in order to perform a complete search.
- C D06F 58/266 . . . {Microwave heating equipment}
- WARNING**
Group D06F 58/266 is impacted by reclassification into groups D06F 2103/52, D06F 2103/64, and D06F 2105/28. All groups listed in this Warning should be considered in order to perform a complete search.
- D D06F 58/28 . . . Controlling or regulating (controlling or regulating in general G05)
 <administratively transferred to [D06F 58/30](#)>
- D D06F 2058/2803 . . . {Manual setting}
 <administratively transferred to [D06F 2101/00](#) ADD>
- D D06F 2058/2806 {of intensity of heater, motor or blower}
 <administratively transferred to [D06F 58/38](#) and [D06F 2101/00](#) ADD>
- D D06F 2058/2809 {of load, quantity, weight, type of laundry or the like}
 <administratively transferred to [D06F 58/38](#) and [D06F 2101/02](#) ADD>
- D D06F 2058/2812 {of rough drying time or timing for part of the programme}
 <administratively transferred to [D06F 58/38](#) and [D06F 2101/14](#) ADD>
- D D06F 2058/2816 . . . {Automatic detection of the humidity or dryness of the laundry directly or indirectly by measuring}
 <administratively transferred to [D06F 58/38](#)>
- D D06F 2058/2819 {the air humidity}
 <administratively transferred to [D06F 58/38](#) and [D06F 2103/08](#) ADD>
- D D06F 2058/2822 {the air humidity by capacitance}
 <administratively transferred to [D06F 58/38](#) and [D06F 2103/10](#) ADD>
- D D06F 2058/2825 {the air humidity by resistance}
 <administratively transferred to [D06F 58/38](#) and [D06F 2103/10](#) ADD>
- D D06F 2058/2829 {the air temperature}
 <administratively transferred to [D06F 58/38](#) and [D06F 2103/08](#) ADD>
- D D06F 2058/2832 {the variation of quantities in the condenser, e.g. water temperature}
 <administratively transferred to [D06F 58/38](#) and [D06F 2103/08](#) ADD>
- D D06F 2058/2835 {the laundry electrical capacitance}
 <administratively transferred to [D06F 58/38](#) and [D06F 2103/10](#) ADD>
- D D06F 2058/2838 {the laundry electrical resistance}
 <administratively transferred to [D06F 58/38](#) and [D06F 2103/10](#) ADD>
- D D06F 2058/2841 {the laundry temperature}
 <administratively transferred to [D06F 58/38](#) and [D06F 2103/12](#) ADD>
- D D06F 2058/2845 {by means of radiation}
 <administratively transferred to [D06F 58/38](#), [D06F 2103/08](#) ADD, and [D06F 2103/64](#) ADD simultaneously>

- D D06F 2058/2848 {the variation of the weight}
<administratively transferred to [D06F 58/38](#) and [D06F 2103/04](#) ADD>
- D D06F 2058/2851 {the time necessary for a cooling-down or a heating-up period}
<administratively transferred to [D06F 58/38](#) and [D06F 2103/38](#) ADD>
- D D06F 2058/2854 {Other automatic detection}
<administratively transferred to [D06F 2103/00](#) ADD>
- D D06F 2058/2858 {Controlling the correct functioning of the machine; Security
{D06F 2058/2861 and D06F 2058/2887 take precedence}}
<administratively transferred to [D06F 58/50](#)>
- D D06F 2058/2861 {Load, type of laundry, weight, e.g. overload}
<administratively transferred to [D06F 2103/02](#) ADD>
- D D06F 2058/2864 {Air quantity; Control of the blower; Mixing with fresh air}
<administratively transferred to [D06F 2103/36](#) ADD and
[D06F 2105/24](#) ADD>
- D D06F 2058/2867 {Control by ON/OFF timing}
<administratively transferred to [D06F 2103/36](#) ADD and
[D06F 2105/24](#) ADD>
- D D06F 2058/287 {Control of the heat pump}
<administratively transferred to [D06F 2103/50](#) ADD and
[D06F 2105/26](#) ADD>
- D D06F 2058/2874 {by ON/OFF timing}
<administratively transferred to [D06F 2103/50](#) ADD and
[D06F 2105/26](#) ADD>
- D D06F 2058/2877 {Driving motor control}
<administratively transferred to [D06F 2103/00](#) ADD, [D06F 2103/34](#) ADD,
[D06F 2103/44](#) ADD, and [D06F 2105/46](#) ADD simultaneously>
- D D06F 2058/288 {by ON/OFF timing}
<administratively transferred to [D06F 2103/00](#) ADD, [D06F 2103/34](#) ADD,
[D06F 2103/44](#) ADD, and [D06F 2105/46](#) ADD simultaneously>
- D D06F 2058/2883 {Displaying or monitoring the programme progress}
<administratively transferred to [D06F 34/28](#)>
- D D06F 2058/2887 {Warning to signal incorrect functioning of the machine}
<administratively transferred to [D06F 34/28](#) and [D06F 2105/58](#) ADD>
- D D06F 2058/289 {Heater control}
<administratively transferred to [D06F 2105/28](#) ADD>
- D D06F 2058/2893 {by ON/OFF timing}
<administratively transferred to [D06F 2105/28](#) ADD>
- D D06F 2058/2896 {Timing in general; Timing of a part of the cycle, e.g. cooling-down period}
- NOTE
- If output = input, only the input is indexed (D06F 2058/2812)
<administratively transferred to [D06F 2103/38](#) ADD>

- Q D06F 58/30
- Drying processes (controlling a series of operations in domestic laundry dryers [D06F 58/32](#))
- WARNING
- Group [D06F 58/30](#) is incomplete pending reclassification of documents from groups [D06F 58/00](#), [D06F 58/02](#), and [D06F 58/203](#).
- Group [D06F 58/30](#) is also impacted by reclassification into groups [D06F 33/50](#) - [D06F 33/76](#), [D06F 34/00](#) - [D06F 34/34](#), [D06F 58/30](#) - [D06F 58/52](#), [D06F 2101/00](#) - [D06F 2101/20](#), [D06F 2103/00](#) - [D06F 2103/70](#), and [D06F 2105/00](#) - [D06F 2105/62](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 58/32
- Control of operations performed in domestic laundry dryers (control of operations performed in washer-dryers [D06F 33/50](#); details of control systems, e.g. for detecting or measuring specific parameters or for selection or indication of programs [D06F 34/00](#))
- WARNING
- Group [D06F 58/32](#) - [D06F 58/36](#) are incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), and [D06F 58/30](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 58/34
- • characterised by the purpose or target of the control
- N D06F 58/36
- • • Control of operational steps, e.g. for optimisation or improvement of operational steps depending on the condition of the laundry
- Q D06F 58/38
- • • • of drying, e.g. to achieve the target humidity
- WARNING
- Group [D06F 58/38](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), and [D06F 58/30](#).
- Group [D06F 58/38](#) is also impacted by reclassification into groups [D06F 58/40](#), [D06F 58/42](#), [D06F 2103/00](#) - [D06F 2103/70](#), and [D06F 2105/00](#) - [D06F 2105/56](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 58/40
- • • • Control of the initial heating of the drying chamber to its operating temperature
- WARNING
- Group [D06F 58/40](#) - [D06F 58/44](#) are incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), and [D06F 58/38](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 58/42
- • • • • by unheated air
- N D06F 58/44
- • • • of conditioning or finishing, e.g. for smoothing or removing creases
- N D06F 58/45
- • • Cleaning or disinfection of machine parts, e.g. of heat exchangers or filters
- WARNING
- Group [D06F 58/45](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/22](#), [D06F 58/24](#), and [D06F 58/30](#).

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

- N D06F 58/46
- • • Control of the operating time
- WARNING
Group [D06F 58/46](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), and [D06F 58/30](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 58/48
- • • Control of the energy consumption
- WARNING
Group [D06F 58/48](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/206](#), and [D06F 58/30](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- Q D06F 58/50
- • • Responding to irregular working conditions, e.g. malfunctioning of blowers
- WARNING
Group [D06F 58/50](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), and [D06F 58/30](#).
Group [D06F 58/50](#) is also impacted by reclassification into groups [D06F 2105/00](#) - [D06F 2105/62](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 58/52
- • • Preventing or reducing noise
- WARNING
Group [D06F 58/52](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), and [D06F 58/30](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- M D06F 59/00
- Supports adapted to retain the shape of particular articles being dried, e.g. incorporating heating means {(devices for retaining the shape of hats [A42B 1/002](#); apparatus for changing the form and size of hats [A42C 3/00](#))}
- M D06F 61/00 -
D06F 85/00
- Ironing; Pressing (~~smoothing by cold rolling D06F 45/00~~)
- M D06F 67/00
- Details of ironing machines provided for in groups [D06F 61/00](#), [D06F 63/00](#), or [D06F 65/00](#) (coverings or pads for ironing or pressing members [D06F 83/00](#))
- M D06F 67/02
- Rollers; Heating arrangements therefor (~~coverings or pads D06F 83/00~~)
- M D06F 67/08
- Beds; Heating arrangements therefor (~~coverings or pads D06F 83/00~~)
- M D06F 71/00
- Apparatus for hot-pressing clothes, linen; or other textile articles, i.e. wherein there is substantially no relative movement between pressing element and article while pressure is being applied to the article; Similar machines for cold-pressing clothes, linen; or other textile articles (~~devices for household use, for cold-pressing garments A47G~~)

- M D06F 71/08 · wherein one or more of the pressing elements is moved laterally between successive pressing operations (~~laundry systems or arrangements of apparatus or machines D06F 95/00~~)
- M D06F 71/18 · specially adapted for pressing particular garments or parts thereof (~~for pressing seams D06F 71/30~~)
- M D06F 71/30 · specially adapted for pressing seams (*specifically adapted for pressing particular garments or parts thereof D06F 71/18*)
- M D06F 73/00** **Apparatus for smoothing or removing creases from garments or other textile articles by formers, cores, stretchers, or internal frames, with the application of heat or steam (~~stretchers for drying purposes D06F 59/00; combined with external pressure means D06F 71/00; stretchers for use with presses D06F 71/40; dress-forms for the tailoring trade A41H; garment stretchers without the application of heat A47G 25/00~~)**
- U D06F 75/00** **Hand irons**
- U D06F 75/08 · Hand irons internally heated by electricity
- M D06F 75/24 · · Arrangements of the heating means within the iron; Arrangements for distributing, conducting; or storing the heat (~~electric heating in general H05B~~)
- M D06F 75/26 · · Temperature control or indicating arrangements (~~thermally-actuated switches H01H~~)
- U D06F 79/00** **Accessories for hand irons**
- M D06F 79/04 · Stoves or other heating means specially adapted for heating irons externally (~~; e.g. by induction heating~~)(~~stoves in general F24~~)
- M D06F 81/00** **Ironing boards (coverings or pads therefor D06F 83/00; combined with tables, mounted in kitchen cabinets A47B; tables in general A47B; combined with ladders E06C {; supports for keeping the electric supply cable clear of the iron or of the clothing H02G 11/003}; kitchen cabinets with ironing boards movable outwards to a position of use A47B 77/10)**
- M D06F 87/00 - D06F 95/00** **Miscellaneous *Other* laundry apparatus or systems**
- M D06F 87/00** **Apparatus for moistening or otherwise conditioning the article to be ironed or pressed (apparatus for smoothing or removing creases from garments or other textile articles by formers, cores, stretchers or internal frames, with the application of heat or steam D06F 73/00 {; devices used in combination with a laundry drier dryer D06F 58/203})**
- M D06F 95/00** **Laundry systems or arrangements of apparatus or machines; Mobile laundries (D06F 31/00 takes precedence; ~~laundries as buildings E04H~~)**
- U D06F 95/008 · {Devices for keeping articles together during laundering, e.g. for keeping socks in pairs (D06F 95/004 takes precedence); Devices for protecting or shielding certain parts of the articles during laundering, e.g. button protectors}
- N D06F 2101/00 - D06F 2105/00** **Indexing scheme associated with groups D06F 33/00, D06F 34/00, D06F 58/00**
- Q D06F 2101/00** ***User input for the control of domestic laundry washing machines, washer-dryers or laundry dryers***

WARNING

Group [D06F 2101/00](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 34/28](#), [D06F 35/00](#), [D06F 35/001 - D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00 - D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2202/00](#), [D06F 2202/12](#), [D06F 2204/00](#), and [D06F 2214/00](#).

Group [D06F 2101/00](#) is also impacted by reclassification into groups [D06F 2101/02](#) - [D06F 2101/20](#).

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

N D06F 2101/02

- Characteristics of laundry or load

WARNING

Group [D06F 2101/02](#) - [D06F 2101/20](#) are incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 34/28](#), [D06F 35/00](#) - [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00](#) - [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 2101/00](#), [D06F 2202/00](#), [D06F 2202/12](#), [D06F 2204/00](#), and [D06F 2214/00](#).

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

N D06F 2101/04

- • Quantity, e.g. weight

N D06F 2101/06

- • Type or material

N D06F 2101/10

- Spin speed

N D06F 2101/12

- Washing temperature

N D06F 2101/14

- Time settings

N D06F 2101/16

- Target humidity for the drying process, e.g. very-dry cycles

N D06F 2101/18

- Target temperature for the drying process, e.g. low-temperature cycles

N D06F 2101/20

- Operation modes, e.g. delicate laundry washing programs, service modes or refreshment cycles

Q D06F 2103/00

Parameters monitored or detected for the control of domestic laundry washing machines, washer-dryers or laundry dryers

WARNING

Group [D06F 2103/00](#) is incomplete pending reclassification of documents from groups [D06F 25/00](#), [D06F 33/00](#), [D06F 35/00](#) - [D06F 35/006](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2202/00](#), and [D06F 2202/12](#).

Group [D06F 2103/00](#) is also impacted by reclassification into groups [D06F 2103/02](#) - [D06F 2103/70](#).

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

N D06F 2103/02

- Characteristics of laundry or load

WARNING

Group [D06F 2103/02](#) - [D06F 2103/08](#) are incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 34/18](#), [D06F 35/00](#) - [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00](#) - [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/10](#), [D06F 2202/12](#), and [D06F 2204/00](#).

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

N D06F 2103/04

- • Quantity, e.g. weight or variation of weight

N D06F 2103/06

- • Type or material

N D06F 2103/08

- • Humidity

- N D06F 2103/10
- • • expressed as capacitance or resistance
- WARNING
Group [D06F 2103/10](#) - [D06F 2103/12](#) are incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), and [D06F 2202/12](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/12
- • Temperature
- N D06F 2103/14
- Supply, recirculation or draining of washing liquid
- WARNING
Group [D06F 2103/14](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/08](#), and [D06F 2202/12](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/16
- Washing liquid temperature
- WARNING
Group [D06F 2103/16](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 39/045](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/04](#), and [D06F 2202/12](#).
. All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/18
- Washing liquid level
- WARNING
Group [D06F 2103/18](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 39/087](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/085](#), and [D06F 2202/12](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/20
- Washing liquid condition, e.g. turbidity
- WARNING
Group [D06F 2103/20](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 34/22](#), [D06F 35/00](#) - [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 39/007](#), [D06F 58/00](#) - [D06F 58/04](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/02](#), [D06F 2202/12](#), and [D06F 2204/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/22
- • Content of detergent or additives
- WARNING
Group [D06F 2103/22](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 34/22](#), [D06F 35/00](#) - [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 39/02](#) - [D06F 39/028](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/02](#), [D06F 2202/12](#), and [D06F 2204/00](#).

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

- N D06F 2103/24
 - Spin speed; Drum movements
 - WARNING
 - Group [D06F 2103/24](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 35/007](#), [D06F 37/304](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/06](#), [D06F 2202/065](#), and [D06F 2202/12](#).
 - All groups listed in this Warning should be considered in order to perform a complete search.

- N D06F 2103/26
 - Unbalance; Noise level
 - WARNING
 - Group [D06F 2103/26](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 37/203](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2222/00](#).
 - All groups listed in this Warning should be considered in order to perform a complete search.

- N D06F 2103/28
 - Air properties
 - WARNING
 - Group [D06F 2103/28](#) - [D06F 2103/36](#) are incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), and [D06F 2202/12](#).
 - All groups listed in this Warning should be considered in order to perform a complete search.

- N D06F 2103/30
 - • Pressure
- N D06F 2103/32
 - • Temperature
- N D06F 2103/34
 - • Humidity
- N D06F 2103/36
 - • Flow or velocity
- N D06F 2103/38
 - Time, e.g. duration
 - WARNING
 - Group [D06F 2103/38](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/12](#), [D06F 2212/00](#), [D06F 2212/02](#), [D06F 2212/04](#), [D06F 2212/06](#), and [D06F 2220/00](#).
 - All groups listed in this Warning should be considered in order to perform a complete search.

- N D06F 2103/40
 - Opening or locking status of doors
 - WARNING
 - Group [D06F 2103/40](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 37/10](#), [D06F 37/18](#), [D06F 37/302](#), [D06F 37/42](#), [D06F 39/14](#), [D06F 58/00](#) - [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2224/00](#).
 - All groups listed in this Warning should be considered in order to perform a complete search.

- N D06F 2103/42
- related to filters or pumps
- WARNING
Group [D06F 2103/42](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 39/082](#), [D06F 39/085](#), [D06F 39/10](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/08](#), and [D06F 2202/12](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/44
- Current or voltage
- WARNING
Group [D06F 2103/44](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 37/42](#), [D06F 39/006](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/08](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), and [D06F 2202/12](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/46
- • of the motor driving the drum
- WARNING
Group [D06F 2103/46](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 37/203](#), [D06F 37/304](#), [D06F 39/006](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/08](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/06](#), [D06F 2202/065](#), and [D06F 2202/12](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/48
- • of the motor driving the pump
- WARNING
Group [D06F 2103/48](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 39/082](#), [D06F 39/085](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/08](#), and [D06F 2202/12](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/50
- related to heat pumps, e.g. pressure or flow rate
- WARNING
Group [D06F 2103/50](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 39/006](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/206](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2226/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/52
- related to electric heating means, e.g. temperature or voltage
- WARNING
Group [D06F 2103/52](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 39/04](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/26](#), [D06F 58/263](#), [D06F 58/266](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/04](#), and [D06F 2202/12](#).
All groups listed in this Warning should be considered in order to perform a complete search.

- N D06F 2103/54
- related to blowers or fans
- WARNING
Groups [D06F 2103/54](#) - [D06F 2103/56](#) are incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), and [D06F 2202/12](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/56
- related to air ducts, e.g. position of flow diverters
- N D06F 2103/58
- related to condensation, e.g. condensate water level
- WARNING
Group [D06F 2103/58](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/24](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), and [D06F 2202/12](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/60
- related to auxiliary conditioning or finishing agents, e.g. filling level of perfume tanks
- WARNING
Group [D06F 2103/60](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), and [D06F 2202/12](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/62
- related to systems for water or steam used for conditioning or finishing
- WARNING
Group [D06F 2103/62](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 39/008](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), and [D06F 2202/12](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/64
- Radiation, e.g. microwaves
- WARNING
Group [D06F 2103/64](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 39/04](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/266](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), and [D06F 2202/12](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/66
- for treatment of laundry otherwise than by drying, e.g. using UV light
- WARNING
Group [D06F 2103/66](#) is incomplete pending reclassification of documents from groups [D06F 19/00](#), [D06F 33/00](#), [D06F 35/00](#), [D06F 35/001](#), [D06F 35/003](#) - [D06F 35/005](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/10](#), [D06F 2202/12](#), and [D06F 2204/10](#).
All groups listed in this Warning should be considered in order to perform a complete search.

- N D06F 2103/68
- Operation mode; Program phase
- WARNING**
- Group [D06F 2103/68](#) - [D06F 2103/70](#) are incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 34/28](#), [D06F 35/00](#) - [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 2103/00](#), [D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2204/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2103/70
- Number of operational cycles
- N D06F 2105/00
- Systems or parameters controlled or affected by the control systems of washing machines, washer-dryers or laundry dryers**
- WARNING**
- Group [D06F 2105/00](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), [D06F 2204/00](#), and [D06F 2204/10](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/02
- Water supply
- WARNING**
- Group [D06F 2105/02](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), [D06F 2204/08](#), and [D06F 2204/086](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/04
- from separate hot and cold water inlets
- WARNING**
- Group [D06F 2105/04](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), and [D06F 2204/088](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/06
- Recirculation of washing liquids, e.g. by pumps or diverting valves
- WARNING**
- Group [D06F 2105/06](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), [D06F 2204/08](#), and [D06F 2204/082](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/08
- Draining of washing liquids
- WARNING**
- Group [D06F 2105/08](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), [D06F 2204/08](#), and [D06F 2204/084](#).
All groups listed in this Warning should be considered in order to perform a complete search.

- N D06F 2105/10
- Temperature of washing liquids; Heating means therefor
- WARNING
Group [D06F 2105/10](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 39/04](#), [D06F 39/045](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), and [D06F 2204/04](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/12
- Humidity or dryness of laundry
- WARNING
Group [D06F 2105/12](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), and [D06F 2204/10](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/14
- Temperature of laundry
- WARNING
Group [D06F 2105/14](#) - [D06F 2105/24](#) are incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), and [D06F 58/50](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/16
- Air properties
- N D06F 2105/18
- • Pressure
- N D06F 2105/20
- • Temperature
- N D06F 2105/22
- • Humidity
- N D06F 2105/24
- • Flow or velocity
- N D06F 2105/26
- Heat pumps
- WARNING
Group [D06F 2105/26](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 39/006](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/206](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), and [D06F 2226/00](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/28
- Electric heating
- WARNING
Group [D06F 2105/28](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 39/04](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/26](#), [D06F 58/263](#), [D06F 58/266](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), [D06F 2202/12](#), and [D06F 2204/04](#). All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/30
- Blowers
- WARNING
Group [D06F 2105/30](#) - [D06F 2105/32](#) are incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), and [D06F 58/50](#). All groups listed in this Warning should be considered in order to perform a complete search.

- N D06F 2105/32 • Air flow control means
- N D06F 2105/34 • Filtering, e.g. control of lint removal devices
WARNING
Group [D06F 2105/34](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/22](#), [D06F 58/30](#), [D06F 58/38](#), and [D06F 58/50](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/36 • Condensing arrangements, e.g. control of water injection therefor
WARNING
Group [D06F 2105/36](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/24](#), [D06F 58/30](#), [D06F 58/38](#), and [D06F 58/50](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/38 • Conditioning or finishing, e.g. control of perfume injection
WARNING
Group [D06F 2105/38](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), and [D06F 58/50](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/40 • • using water or steam
WARNING
Group [D06F 2105/40](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 39/008](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), and [D06F 2202/12](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/42 • Detergent or additive supply
WARNING
Group [D06F 2105/42](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), and [D06F 2204/02](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/44 • Opening, closing or locking of doors
WARNING
Group [D06F 2105/44](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 37/10](#), [D06F 37/18](#), [D06F 37/302](#), [D06F 37/42](#), [D06F 39/14](#), [D06F 58/00](#), [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), and [D06F 2224/00](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/46 • Drum speed; Actuation of motors, e.g. starting or interrupting
WARNING
Group [D06F 2105/46](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 37/304](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/08](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), and [D06F 2204/06](#).

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

N D06F 2105/48

- Drum speed

WARNING

Group [D06F 2105/48](#) is incomplete pending reclassification of documents from groups [D06F 33/00](#), [D06F 37/304](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/08](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), and [D06F 2204/065](#).

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

N D06F 2105/50

- Starting machine operation, e.g. delayed start or re-start after power cut

WARNING

Group [D06F 2105/50](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 34/28](#), [D06F 35/00](#) - [D06F 35/008](#), [D06F 37/00](#), [D06F 37/42](#), [D06F 39/00](#), [D06F 39/06](#), [D06F 58/00](#) - [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), [D06F 2202/00](#), [D06F 2202/12](#), [D06F 2204/00](#), [D06F 2204/10](#), and [D06F 2212/06](#).

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

N D06F 2105/52

- Changing sequence of operational steps; Carrying out additional operational steps; Modifying operational steps, e.g. by extending duration of steps

WARNING

Group [D06F 2105/52](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 34/28](#), [D06F 35/00](#) - [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), [D06F 2202/00](#), [D06F 2202/12](#), and [D06F 2204/00](#).

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

N D06F 2105/54

- Changing between normal operation mode and special operation modes, e.g. service mode, component cleaning mode or stand-by mode

WARNING

Group [D06F 2105/54](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 34/28](#), [D06F 35/00](#) - [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), [D06F 2202/00](#), [D06F 2202/12](#), [D06F 2204/00](#), [D06F 2214/00](#), and [D06F 2216/00](#).

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

N D06F 2105/56

- Remaining operation time; Remaining operational cycles

WARNING

Group [D06F 2105/56](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 34/28](#), [D06F 35/00](#) - [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/38](#), [D06F 58/50](#), [D06F 2202/00](#), [D06F 2202/12](#), [D06F 2204/00](#), [D06F 2212/00](#), [D06F 2212/02](#), and [D06F 2220/00](#).

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

- N D06F 2105/58
- Indications or alarms to the control system or to the user
- WARNING**
- Group [D06F 2105/58](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 34/28](#), [D06F 35/00](#) - [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 39/022](#), [D06F 39/06](#), [D06F 39/081](#), [D06F 39/082](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/50](#), [D06F 2202/00](#), [D06F 2202/12](#), [D06F 2204/00](#), [D06F 2210/00](#), [D06F 2216/00](#), and [D06F 2224/00](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/60
- Audible signals
- WARNING**
- Group [D06F 2105/60](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 34/28](#), [D06F 35/00](#) - [D06F 35/008](#), [D06F 37/00](#), [D06F 39/00](#), [D06F 39/022](#), [D06F 39/06](#), [D06F 39/081](#), [D06F 39/082](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/50](#), [D06F 2202/00](#), [D06F 2202/12](#), [D06F 2204/00](#), [D06F 2204/10](#), and [D06F 2224/00](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- N D06F 2105/62
- Stopping or disabling machine operation
- WARNING**
- Group [D06F 2105/62](#) is incomplete pending reclassification of documents from groups [D06F 18/00](#), [D06F 25/00](#), [D06F 33/00](#), [D06F 34/28](#), [D06F 35/00](#) - [D06F 35/008](#), [D06F 37/00](#), [D06F 37/42](#), [D06F 39/00](#), [D06F 39/06](#), [D06F 58/00](#), [D06F 58/02](#), [D06F 58/04](#), [D06F 58/20](#), [D06F 58/203](#), [D06F 58/30](#), [D06F 58/50](#), [D06F 2202/00](#), [D06F 2202/12](#), [D06F 2204/00](#), [D06F 2204/10](#), and [D06F 2212/06](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- F D06F 2202/00
(Frozen)
- Input, e.g. measuring, checking variables (manual setting [D06F 2214/00](#))**
- WARNING**
- Group [D06F 2202/00](#) is no longer used for the classification of documents as of February 1, 2020.
- The content of this group is being reclassified into groups [D06F 33/30](#), [D06F 33/50](#) - [D06F 33/76](#), [D06F 34/00](#) - [D06F 34/34](#), [D06F 2101/00](#) - [D06F 2101/20](#), [D06F 2103/00](#) - [D06F 2103/70](#), and [D06F 2105/50](#) - [D06F 2105/62](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- F D06F 2202/02
(Frozen)
- Chemical variables; Condition of the washing liquid
- WARNING**
- Group [D06F 2202/02](#) is no longer used for the classification of documents as of February 1, 2020.
- The content of this group is being reclassified into groups [D06F 33/30](#), [D06F 33/50](#) - [D06F 33/76](#), [D06F 2103/20](#), and [D06F 2103/22](#).
- All groups listed in this Warning should be considered in order to perform a complete search.

- F D06F 2202/04
(Frozen)
- Temperature
- WARNING**
Group D06F 2202/04 is no longer used for the classification of documents as of February 1, 2020.
The content of this group is being reclassified into groups D06F 33/30, D06F 33/50, D06F 33/52, D06F 33/54 - D06F 33/76, D06F 34/24, D06F 2103/16, and D06F 2103/52.
All groups listed in this Warning should be considered in order to perform a complete search.
- F D06F 2202/06
(Frozen)
- Mechanical action on the laundry
- WARNING**
Group D06F 2202/06 is no longer used for the classification of documents as of February 1, 2020.
The content of this group is being reclassified into groups D06F 33/30, D06F 33/50 - D06F 33/76, D06F 2103/24, and D06F 2103/46.
All groups listed in this Warning should be considered in order to perform a complete search.
- F D06F 2202/065
(Frozen)
- Rotational speed
- WARNING**
Group D06F 2202/065 is no longer used for the classification of documents as of February 1, 2020.
The content of this group is being reclassified into groups D06F 33/30, D06F 33/50 - D06F 33/76, D06F 2103/24, and D06F 2103/46.
All groups listed in this Warning should be considered in order to perform a complete search.
- F D06F 2202/08
(Frozen)
- Liquid supply, circulation or discharge
- WARNING**
Group D06F 2202/08 is no longer used for the classification of documents as of February 1, 2020.
The content of this group is being reclassified into groups D06F 33/30, D06F 33/50 - D06F 33/76, D06F 2103/14, D06F 2103/42, and D06F 2103/48.
All groups listed in this Warning should be considered in order to perform a complete search.
- F D06F 2202/085
(Frozen)
- Level
- WARNING**
Group D06F 2202/085 is no longer used for the classification of documents as of February 1, 2020.
The content of this group is being reclassified into groups D06F 33/30, D06F 33/50 - D06F 33/76, and D06F 2103/18.
All groups listed in this Warning should be considered in order to perform a complete search.
- F D06F 2202/10
(Frozen)
- Nature or weight of the laundry
- WARNING**
Group D06F 2202/10 is no longer used for the classification of documents as of February 1, 2020.
The content of this group is being reclassified into groups D06F 33/30 - D06F 33/76, D06F 2103/02, D06F 2103/04, D06F 2103/06, D06F 2103/08, and D06F 2103/66.
All groups listed in this Warning should be considered in order to perform a complete search.

- F D06F 2202/12
(Frozen)
- Other variables, e.g. variation of electrical quantities
- WARNING**
Group D06F 2202/12 is no longer used for the classification of documents as of February 1, 2020.
The content of this group is being reclassified into groups D06F 33/30, D06F 33/36, D06F 33/50 - D06F 33/76, D06F 34/00 - D06F 34/34, D06F 2101/00 - D06F 2101/20, D06F 2103/00 - D06F 2103/70, D06F 2105/28, D06F 2105/40, and D06F 2105/50 - D06F 2105/62.
All groups listed in this Warning should be considered in order to perform a complete search.
- F D06F 2204/00
(Frozen)
- Output, e.g. controlled quantity (display [D06F 2216/00](#))**
- WARNING**
Group D06F 2204/00 is no longer used for the classification of documents as of February 1, 2020.
The content of this group is being reclassified into groups D06F 33/30, D06F 33/36, D06F 33/38, D06F 33/43 - D06F 33/76, D06F 34/00, D06F 34/04 - D06F 34/34, and D06F 2101/00 - D06F 2105/62.
All groups listed in this Warning should be considered in order to perform a complete search.
- F D06F 2204/02
(Frozen)
- Chemical quantities
- WARNING**
Group D06F 2204/02 is no longer used for the classification of documents as of February 1, 2020.
The content of this group is being reclassified into groups D06F 33/30, D06F 33/36 - D06F 33/76, and D06F 2105/42.
All groups listed in this Warning should be considered in order to perform a complete search.
- F D06F 2204/04
(Frozen)
- Heating
- WARNING**
Group D06F 2204/04 is no longer used for the classification of documents as of February 1, 2020.
The content of this group is being reclassified into groups D06F 33/30, D06F 33/36 - D06F 33/76, D06F 34/24, D06F 2105/10, and D06F 2105/28.
All groups listed in this Warning should be considered in order to perform a complete search.
- F D06F 2204/06
(Frozen)
- Mechanical variables, e.g. drum rotation
- WARNING**
Group D06F 2204/06 is no longer used for the classification of documents as of February 1, 2020.
The content of this group is being reclassified into groups D06F 33/30, D06F 33/36 - D06F 33/76, and D06F 2105/46.
All groups listed in this Warning should be considered in order to perform a complete search.
- F D06F 2204/065
(Frozen)
- • having speed control arrangement
- WARNING**
Group D06F 2204/065 is no longer used for the classification of documents as of February 1, 2020.
The content of this group is being reclassified into groups D06F 33/30, D06F 33/36 - D06F 33/76, and D06F 2105/48.

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

F D06F 2204/08
(Frozen)

- Liquid supply, circulation or discharge

WARNING

Group D06F 2204/08 is no longer used for the classification of documents as of February 1, 2020.

The content of this group is being reclassified into groups D06F 33/30, D06F 33/36 - D06F 33/76, D06F 2105/02, D06F 2105/06, and D06F 2105/08. All groups listed in this Warning should be considered in order to perform a complete search.

F D06F 2204/082
(Frozen)

- • Circulating

WARNING

Group D06F 2204/082 is no longer used for the classification of documents as of February 1, 2020.

The content of this group is being reclassified into groups D06F 33/30, D06F 33/36 - D06F 33/76, D06F 2105/06, and D06F 37/42.

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

F D06F 2204/084
(Frozen)

- • Draining

WARNING

Group D06F 2204/084 is no longer used for the classification of documents as of February 1, 2020.

The content of this group is being reclassified into groups D06F 33/30, D06F 33/36 - D06F 33/76, D06F 37/42 and D06F 2105/08.

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

F D06F 2204/086
(Frozen)

- • Water supply

WARNING

Group D06F 2204/086 is no longer used for the classification of documents as of February 1, 2020.

The content of this group is being reclassified into groups D06F 33/30, D06F 33/34 - D06F 33/76, and D06F 2105/02.

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

F D06F 2204/088
(Frozen)

- • • with cold and hot water

WARNING

Group D06F 2204/088 is no longer used for the classification of documents as of February 1, 2020.

The content of this group is being reclassified into groups D06F 33/30, D06F 33/34 - D06F 33/76, and D06F 2105/04.

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

F D06F 2204/10
(Frozen)

- Other output

WARNING

Group D06F 2204/10 is no longer used for the classification of documents as of February 1, 2020.

The content of this group is being reclassified into groups D06F 33/30, D06F 33/36 - D06F 33/76, D06F 34/04, D06F 34/05, D06F 2103/66, D06F 2105/00, D06F 2105/12, D06F 2105/50, D06F 2105/60, and D06F 2105/62.

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

F D06F 2210/00
(Frozen)

Interfaces, e.g. connections between different parts of the general control system

WARNING

Group D06F 2210/00 is no longer used for the classification of documents as of February 1, 2020.

The content of this group is being reclassified into groups D06F 33/30, D06F 33/50 - D06F 33/76, D06F 34/04, D06F 34/05, and D06F 2105/58.

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

F D06F 2212/00
(Frozen)

Programme or timing arrangements

WARNING

Group D06F 2212/00 is no longer used for the classification of documents as of February 1, 2020.

The content of this group is being reclassified into groups D06F 33/30, D06F 33/44, D06F 33/50 - D06F 33/76, D06F 34/06, D06F 2103/38, and D06F 2105/56.

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

F D06F 2212/02
(Frozen)

• Electronic arrangements

WARNING

Group D06F 2212/02 is no longer used for the classification of documents as of February 1, 2020.

The content of this group is being reclassified into groups D06F 33/30, D06F 33/44, D06F 33/50 - D06F 33/76, D06F 34/06, D06F 2103/38, and D06F 2105/56.

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

F D06F 2212/04
(Frozen)

• Hybrid arrangements

WARNING

Group D06F 2212/04 is no longer used for the classification of documents as of February 1, 2020.

The content of this group is being reclassified into groups D06F 33/30, D06F 33/44, D06F 33/50 - D06F 33/76, D06F 34/06, and D06F 2103/38.

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

F D06F 2212/06
(Frozen)

• Control of the programmer in the event of stopping of the washing process, e.g. when opening the door or a current failure

WARNING

Group D06F 2212/06 is no longer used for the classification of documents as of February 1, 2020.

The content of this group is being reclassified into groups D06F 33/30, D06F 33/44, D06F 33/50 - D06F 33/76, D06F 34/06, D06F 2103/38, D06F 2105/50, and D06F 2105/62.

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

- F D06F 2214/00**
(Frozen)
- Manual setting**
- WARNING
- Group D06F 2214/00 is no longer used for the classification of documents as of February 1, 2020.*
- The content of this group is being reclassified into groups D06F 33/30, D06F 33/50 - D06F 33/76, D06F 2101/00 - D06F 2101/20, and D06F 2105/54.*
- All groups listed in this Warning should be considered in order to perform a complete search.*
- F D06F 2216/00**
(Frozen)
- Display arrangements**
- WARNING
- Group D06F 2216/00 is no longer used for the classification of documents as of February 1, 2020.*
- The content of this group is being reclassified into groups D06F 33/30, D06F 33/50 - D06F 33/76, D06F 34/04, D06F 34/05, D06F 2105/54, and D06F 2105/58.*
- All groups listed in this Warning should be considered in order to perform a complete search.*
- F D06F 2220/00**
(Frozen)
- Time, e.g. real time to perform one or more operations used to influence one or more of the subsequent operations**
- WARNING
- Group D06F 2220/00 is no longer used for the classification of documents as of February 1, 2020.*
- The content of this group is being reclassified into groups D06F 33/30, D06F 33/44, D06F 33/48 - D06F 33/76, D06F 34/06, D06F 2103/38, and D06F 2105/56.*
- All groups listed in this Warning should be considered in order to perform a complete search.*
- F D06F 2222/00**
(Frozen)
- Unbalance arrangements**
- WARNING
- Group D06F 2222/00 is no longer used for the classification of documents as of February 1, 2020.*
- The content of this group is being reclassified into groups D06F 33/30, D06F 33/50 - D06F 33/76, D06F 34/16, and D06F 2103/26.*
- Groups D06F 2222/00 and Group D06F 2222/00 should be considered in order to perform a complete search.*
- F D06F 2224/00**
(Frozen)
- Safety arrangement concerning the opening or closing of the door**
- WARNING
- Group D06F 2224/00 is no longer used for the classification of documents as of February 1, 2020.*
- The content of this group is being reclassified into groups D06F 33/30, D06F 33/47, D06F 33/50 - D06F 33/76, D06F 2103/40, D06F 2105/44, D06F 2105/58, and D06F 2105/60.*
- All groups listed in this Warning should be considered in order to perform a complete search.*
- F D06F 2226/00**
(Frozen)
- Liquid or energy recovery arrangements**
- WARNING
- Group D06F 2226/00 is no longer used for the classification of documents as of February 1, 2020.*

The content of this group is being reclassified into groups [D06F 33/30](#), [D06F 33/46](#), [D06F 33/50](#) - [D06F 33/76](#), [D06F 34/24](#), [D06F 2103/50](#), and [D06F 2105/26](#).

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

- D D06F 2232/00 Processes performed on the laundry, e.g. washing**
<administratively transferred to [D06F 35/005](#)>
- D D06F 2232/02 · Biological washing
<administratively transferred to [D06F 35/00](#)>
- D D06F 2232/04 · Wetting
<administratively transferred to [D06F 35/006](#)>
- D D06F 2232/06 · Rinsing
<administratively transferred to [D06F 35/006](#)>
- D D06F 2232/08 · Spinning
<administratively transferred to [D06F 35/007](#)>
- D D06F 2232/10 · Drying with hot air in washing machines
<administratively transferred to [D06F 25/00](#)>
- D D06F 2700/00 Driving arrangements for washing machines having receptacles serving solely for washing and not for centrifugally draining**
<administratively transferred to [D06F 21/00](#) ADD and [D06F 37/30](#) INV>
- D D06F 2700/04 · Rotating the receptacle with more than one speed
<administratively transferred to [D06F 21/00](#) ADD and [D06F 37/36](#) INV>
- D D06F 2700/05 · Rotating the receptacle with an alternating movement
<administratively transferred to [D06F 21/00](#) ADD and [D06F 37/40](#) INV>
- D D06F 2700/052 · · in which a driven shaft rotates and also undergoes another movement
<administratively transferred to [D06F 21/00](#) ADD and [D06F 37/30](#) INV>
- D D06F 2700/055 · · by changing between two transmissions with elements rolling on each other
<administratively transferred to [D06F 21/00](#) ADD and [D06F 37/30](#) INV>
- D D06F 2700/057 · · Other transmission devices for rotating the receptacle solely with an alternating movement
<administratively transferred to [D06F 21/00](#) ADD and [D06F 37/38](#) INV>

Project: RP0617 (E04H)

- U E04H 4/00 Swimming or splash baths or pools (wave-producers for baths [A47K 3/10](#); separation [B01D](#); treatment of water [C02F](#); wave-producing pumps [F04D 35/00](#))**
- M E04H 4/0006 · {Devices for producing waves in swimming pools (generating current of water in swimming pools [A63B 69/125](#))}

WARNING

Group [E04H 4/0006](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 34/70](#) and [B63B 35/00](#).

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

- U G02F 1/00** Devices or arrangements for the control of the intensity, colour, phase, polarisation or direction of light arriving from an independent light source, e.g. switching, gating, or modulating; Non-linear optics (thermometers using change of colour or translucency [G01K 11/12](#); using changes in fluorescence [G01K 11/32](#); light guide devices [G02B 6/00](#); optical devices or arrangements using movable or deformable elements for controlling light independent of the light source [G02B 26/00](#); control of light in general [G05D 25/00](#); visible signalling systems [G08B 5/00](#); indicating arrangements for variable information by selection or combination of individual elements [G09F 9/00](#); control arrangements or circuits for visual indicators other than cathode-ray tubes [G09G 3/00](#); control of light sources [H01S 3/10](#), [H05B 33/08](#), [H05B 35/00](#) – [H05B 47/00](#) {; photochromic filters [G02B 5/23](#); optical logic elements [G02F 3/00](#))
- NOTE
This group covers only :
- devices or arrangements, e.g. cells, the optical operation of which is modified by changing the optical properties of the medium of the devices or arrangements by the influence or control of physical parameters, e.g. electric fields, electric current, magnetic fields, sound or mechanical vibrations, stress or thermal effects;
 - devices or arrangements in which the electric or magnetic field component of the light beams influences the optical properties of the medium, i.e. non-linear optics;
 - control of light by electromagnetic waves, e.g. radio waves, or by electrons or other elementary particles.
- U G02F 1/01** • for the control of the intensity, phase, polarisation or colour ([G02F 1/29](#), [G02F 1/35](#) take precedence)
- WARNING
Group [G02F 1/01](#) is impacted by reclassification into groups [G02F 1/165](#), [G02F 1/166](#), [G02F 1/1673](#), and [G02F 1/169](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- U G02F 1/03** • • based on ceramics or electro-optical crystals, e.g. exhibiting Pockels effect or Kerr effect ([G02F 1/061](#) takes precedence)
- M G02F 1/05** • • • with ferro-electric properties ([G02F 1/035](#), [G02F 1/055](#) take precedence {; ~~domain inversion in ferro-electric materials G02F-1/3558; ferro-electric digital stores G11C 11/22~~)
- M G02F 1/13** • • based on liquid crystals, e.g. single liquid crystal display cells (~~liquid crystal materials C09K 19/00~~)
- U G02F 1/133** • • • Constructional arrangements; Operation of liquid crystal cells; Circuit arrangements (arrangements or circuits for control of liquid crystal elements in a {segment display or a} matrix, not structurally associated with these elements, {respectively [G09G 3/18](#) and } [G09G 3/36](#))
- U G02F 1/1333** • • • • Constructional arrangements; {Manufacturing methods}([G02F 1/135](#), [G02F 1/136](#) take precedence)
- M G02F 1/1347** • • • • • Arrangement of liquid crystal layers or cells in which the final condition of one light beam is achieved by the addition of the effects of two or more layers or cells (~~colour projection displays with liquid crystal valves H04N 9/3197~~)

- M G02F 1/29
- for the control of the position or the direction of light beams, i.e. deflection ~~(optical coupling means G02B 6/26; optical-mechanical scanning in general G02B 26/10); static stores with electric or magnetic read-in and optical read-out G11C; lasers provided with means to change the location from which, or the direction in which, laser radiation is emitted H01S 3/101)~~
- M G02F 1/35
- Non-linear optics ~~(optical bistable devices G02F 3/02; lasers using stimulated Brillouin or Raman effect H01S 3/30)~~
- M G02F 1/39
- for parametric generation or amplification of light, infra-red, or ultra-violet waves ~~{(G02F 1/3532 takes precedence; } electrical parametric amplifiers H03F 7/00 arrangements of plural nonlinear devices for generating multi-colour light beams G02F 1/3532)}~~
- M G02F 2/00**
- Demodulating light; Transferring the modulation of modulated light; Frequency-changing of light (G02F 1/35 takes precedence; photoelectric detecting or measuring devices G01J, H01J 40/00, H01L 31/00; demodulating laser arrangements {, e.g. switching, gating} H01S 3/10; demodulation or transference of modulation of modulated electro-magnetic waves in general H03D 9/00)**
- M G02F 2/02
- Frequency-changing of light, e.g. by quantum counters ~~(luminescent materials G09K 11/00)~~
- M G02F 3/00**
- Optical logic elements ~~(optical computing G06E); electric pulse generators using opto-electronic devices as active elements H03K 3/42; logic circuits using opto-electronic devices H03K 19/14); Optical bistable devices~~**

Project: RP0621 (G05D)

- U G05D 1/00**
- Control of position, course or altitude of land, water, air, or space vehicles, e.g. automatic pilot (radio navigation systems or analogous systems using other waves G01S)**
- U G05D 1/0055
- {with safety arrangements}
- C G05D 1/0061
- {for transition from automatic pilot to manual pilot and vice versa}
- WARNING**
- Group G05D 1/0061 is impacted by reclassification into groups B60W 10/00 - B60W 50/16, B60W 60/005 - B60W 60/0061, B60W 2300/00 - B60W 2530/213, B60W 2540/041 - B60W 2540/049, B60W 2552/00 - B60W 2556/65, B60W 2710/00 - B60W 2720/406, and B60W 2754/00 - B60W 2900/00.*
- All groups listed in this Warning should be considered in order to perform a complete search.*
- C G05D 1/0088
- {characterized by the autonomous decision making process, e.g. artificial intelligence, predefined behaviours (using knowledge based models G06N 5/00)}
- WARNING**
- Group G05D 1/0088 is impacted by reclassification into groups B60W 10/00 - B60W 60/00276, B60W 2300/00 - B60W 2530/213, B60W 2540/041 - B60W 2540/049, B60W 2552/00 - B60W 2556/65, B60W 2710/00 - B60W 2720/406, and B60W 2754/00 - B60W 2900/00.*
- All groups listed in this Warning should be considered in order to perform a complete search.*
- U G05D 1/02
- Control of position or course in two dimensions

C G05D 1/021

- {specially adapted to land vehicles}

NOTES

1. This group covers control of position or course in two dimensions specially adapted for land vehicles, i.e. control systems to define a trajectory for a land vehicle, and to take suitable actions to make the vehicle follow said trajectory.

2. Relationships with other classification places.

Subclass [G01C](#) covers navigation in general, i.e. determining the position and course of land vehicles, ships, aircraft, and space vehicles.

Subclass [G01S](#) covers radio, sonar or lidar navigation systems, i.e. navigation by use of radio, acoustic or optical waves, or analogue arrangements using other electromagnetic waves.

Subclass [G08G](#) covers navigation systems for traffic control purposes, i.e. systems in which the navigation is not performed autonomously by or in the vehicle, but where the vehicles are guided by instructions transmitted to them.

Aspects of navigation systems that are important per se should also be classified in the relevant groups of [G01C](#) (see for example list under "Informative References" below).

Aspects of radio, sonar or lidar navigation systems that are important per se should also be classified in the relevant groups of [G01S](#) (see for example list under "Informative References" below).

Aspects of navigation systems for traffic purposes that are important per se should also be classified in the relevant groups of [G08G](#) (see for example list under "Informative References" below).

3. Informative References.

Attention is drawn to the following places, which could be of interest for search:

- navigation, i.e. determining the position and course of land vehicles, ships, aircraft, and space vehicles [G01C 21/00](#)
- measuring distance traversed on the ground by vehicles, e.g. using odometers [G01C 22/00](#)
- position-fixing by co-ordinating a plurality of determinations of direction or position lines [G01S 5/00](#)
- determining distance or velocity using waves and not using reflection or reradiation of waves [G01S 11/00](#)
- radar systems specially designed for traffic control [G01S 13/91](#)
- radar systems specially designed for for anti-collision purposes [G01S 13/93](#)
- sonar systems specially designed for for anti-collision purposes [G01S 15/93](#)
- lidar systems specially designed for for anti-collision purposes [G01S 17/93](#)
- traffic control systems for road vehicles [G08G 1/00](#)
- monitoring the location of fleet of vehicles in traffic control systems [G08G 1/127](#)
- anti-collision traffic control systems [G08G 1/16](#)

WARNING

Group G05D 1/021 is impacted by reclassification into groups [B60W 10/00](#) - [B60W 60/00276](#), [B60W 2300/00](#) - [B60W 2530/213](#), [B60W 2540/041](#) - [B60W 2540/049](#), [B60W 2552/00](#) - [B60W 2556/65](#), [B60W 2710/00](#) - [B60W 2720/406](#), and [B60W 2754/00](#) - [B60W 2900/00](#).

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

U G05D 1/0212

- • {with means for defining a desired trajectory (involving a plurality of land vehicles [G05D 1/0287](#))}

- C G05D 1/0214 . . . {in accordance with safety or protection criteria, e.g. avoiding hazardous areas (monitoring the location of vehicles within a certain area, e.g. forbidden or allowed areas, in traffic control systems for road vehicles [G08G 1/13](#))}
- WARNING**
Group G05D 1/0214 is impacted by reclassification into groups [B60W 10/00](#) - [B60W 60/00276](#), [B60W 2300/00](#) - [B60W 2530/213](#), [B60W 2540/041](#) - [B60W 2540/049](#), [B60W 2552/00](#) - [B60W 2556/65](#), [B60W 2710/00](#) - [B60W 2720/406](#), and [B60W 2754/00](#) - [B60W 2900/00](#). All groups listed in this Warning should be considered in order to perform a complete search.
- C G05D 1/0221 . . . {involving a learning process}
- WARNING**
Group G05D 1/0221 is impacted by reclassification into groups [B60W 10/00](#) - [B60W 60/00276](#), [B60W 2300/00](#) - [B60W 2530/213](#), [B60W 2540/041](#) - [B60W 2540/049](#), [B60W 2552/00](#) - [B60W 2556/65](#), [B60W 2710/00](#) - [B60W 2720/406](#), and [B60W 2754/00](#) - [B60W 2900/00](#). All groups listed in this Warning should be considered in order to perform a complete search.
- C G05D 1/0223 . . . {involving speed control of the vehicle (vehicle fittings for automatically controlling, i.e. preventing speed from exceeding an arbitrarily established velocity or maintaining speed at a particular velocity, as selected by the vehicle operator [B60K 31/00](#))}
- WARNING**
Group G05D 1/0223 is impacted by reclassification into groups [B60W 10/00](#) - [B60W 60/00276](#), [B60W 2300/00](#) - [B60W 2530/213](#), [B60W 2540/041](#) - [B60W 2540/049](#), [B60W 2552/00](#) - [B60W 2556/65](#), [B60W 2710/00](#) - [B60W 2720/406](#), and [B60W 2754/00](#) - [B60W 2900/00](#). All groups listed in this Warning should be considered in order to perform a complete search.

Project: RP0647 (G10D)

- M G10D **STRINGED MUSICAL INSTRUMENTS; WIND MUSICAL INSTRUMENTS; ACCORDIONS OR CONCERTINAS; PERCUSSION MUSICAL INSTRUMENTS; AEOLIAN HARPS; SINGING-FLAME MUSICAL INSTRUMENTS; MUSICAL INSTRUMENTS NOT OTHERWISE PROVIDED FOR (non-musical aspects of musical toy instruments [A63H 5/00](#); organs, harmoniums or ~~like similar wind~~ musical instruments with associated blowing apparatus [G10B](#); pianos, harpsichords, spinets or similar stringed musical instruments with one or more keyboards [G10C](#); automatic musical instruments [G10F](#); electrophonic musical instruments *in which tones are generated by electromechanical means* [G10H](#); ~~instruments in which the tones are generated by electromechanical means or electronic generators, or in which the tones are synthesised from a data store~~ [G10H](#))**

NOTES

1. In this subclass, multi-aspect classification is applied for each of groups [G10D 1/00](#) - [G10D 9/00](#), [G10D 13/00](#), so that subject matter characterised by aspects covered by more than one of its groups should be classified in each of those groups.

*~~1.2. This subclass~~ *In this subclass, covers certain stringed musical instruments that can optionally include a keyboard* the specific types of musical instruments are covered in groups [G10D 1/00](#), e.g. zithers [G10D 7/00](#) or [G10D 13/01](#), while*

aspects relevant to the arrangements thereof or the accessories therefor are covered in groups G10D 3/00, G10D 9/00 or G10D 13/10.

~~2-3~~. This subclass does not cover pianos, harpsichords, spinets or similar stringed ~~instruments provided by design with one or more keyboards~~*musical instruments with keyboards that cause the strings to be struck or plucked*, which are covered by subclass [G10C](#).

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.

C G10D 1/00

General design of stringed musical instruments ~~(pianos or similar instruments with keyboard G10C)~~

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.

D G10D 1/005

• ~~{Materials or treatment of materials for the manufacturing of stringed instruments}~~

<administratively transferred to [G10D 3/22](#)>

M G10D 1/02

• ~~of violins, violas, violoncellos, basses~~*Bowed or rubbed string instruments, e.g. violins or hurdy-gurdies*

C G10D 1/04

• ~~of harps,~~*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.

N 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 1/06

• ~~of mandolins~~*Mandolins*

M G10D 1/08

• ~~of guitars~~*Guitars*

M G10D 1/085

• ~~{Mechanical design of electric guitars (electrical or electromechanical features G10H 3/18)}~~

M G10D 1/10

• ~~of banjos~~*Banjoes*

M G10D 1/12

• ~~of zithers~~*Zithers*, e.g. *autoharp**autoharps*

N 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

D G10D 3/003

• ~~{Cellopins and accessories therefore}~~

<administratively transferred to [G10D 3/01](#)>

- D G10D 3/006
- ~~{Winding tools, separate from the musical instrument (winding tools for pianos G10C 9/00; power-driven screwdrivers B25B 21/00)}~~
- <administratively transferred to [G10D 3/20](#)>
- N G10D 3/01
- ~~Endpins or accessories therefor~~
- M G10D 3/02
- Resonating means, horns, or diaphragms
- M G10D 3/04
- Bridges, ~~mutes, or capo-tastos~~
- D G10D 3/043
- • ~~{capo-tastos}~~
- <administratively transferred to [G10D 3/053](#)>
- M G10D 3/046
- • ~~{Mutes; -Mute holders}~~
- N G10D 3/053
- Capos, i.e. capo tastos
- C G10D 3/06
- ~~Fingerboards~~ ~~{Necks; -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 3/08
- • **Fingerboards** in the form of keyboards ~~(keyboards for musical instruments in general G10C 3/12)~~
- D G10D 3/085
- • • ~~{for zithers}~~
- <administratively transferred to [G10D 3/09](#)>
- N G10D 3/09
- • • for zithers
- N 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.
- U G10D 3/10
- Strings
- C G10D 3/12
- Anchoring devices for strings, e.g. tail ~~piece, hitchpin~~ **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.
- N 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.
- M G10D 3/14
- Tuning devices, e.g. pegs, pins, friction discs **or worm gears**
- D G10D 3/143
- • ~~{Devices for altering the string tension during playing}~~
- <administratively transferred to [G10D 3/147](#)>
- D G10D 3/146
- • • ~~{Tremolo devices}~~
- <administratively transferred to [G10D 3/153](#)>
- N G10D 3/147
- • Devices for altering the string tension during playing
- N G10D 3/153
- • • Tremolo devices

- M G10D 3/16 · Bows; Guides for bows; Plectra **and like or similar** playing means
- D G10D 3/163 · · {Plectra and like playing means; Plectrum holders}
<administratively transferred to [G10D 3/173](#)>
- M G10D 3/166 · · {Guides for bows}
- N G10D 3/173 · · *Plectra or similar accessories for playing; Plectrum holders*
- M G10D 3/18 · Chin-rests, hand-rests **or guards as part of the instruments**, *shoulder rests or guards being removable from, or integral with the instrument* **(separate auxiliary devices and supports G10G)**
- N G10D 3/20 · *Winding tools separate from the musical instruments, e.g. tuning keys*
- N G10D 3/22 · *Material for manufacturing stringed musical instruments; Treatment of the material*
- U G10D 7/00** **General design of wind musical instruments (accordions or concertinas [G10D 11/00](#); whistles [G10K 5/00](#))**
- D G10D 7/005 · {Materials or treatment of materials for the manufacturing of wind-actuated instruments}
<administratively transferred to [G10D 9/08](#)>
- M G10D 7/02 · of the type wherein an air current is directed against a ramp edge, **e.g. flute; recorder**
- D G10D 7/023 · · {Recorders}
<administratively transferred to [G10D 7/03](#)>
- M G10D 7/026 · · **{Flutes with air currents blown into an opening arranged on the cylindrical surface of the tube, e.g. transverse flutes, piccolos or fifes; Piccolos; Fifes}**
- N G10D 7/03 · · *with a windway for leading the air to the labium, e.g. recorders*
- M G10D 7/04 · · **Ocarinas with Helmholtz resonators, e.g. ocarinas**
- M G10D 7/06 · **of the type with a beating reed or reeds** *Beating-reed wind instruments*, e.g. **oboes, clarinets, bassoons or bagpipes** *single or double reed wind instruments*
- M G10D 7/063 · · {Oboes; Bassoons; Bagpipes}
- M G10D 7/066 · · {Clarinets}
- U G10D 7/08 · · Saxophones
- M G10D 7/10 · **of the type with a cupped mouthpiece** *Lip-reed wind instruments, i.e. using the vibration of the musician's lips*, e.g. **cornets, orchestral trumpet, trombone trumpets, trombones or French horns**
- C G10D 7/12 · **of the type with free reeds, e.g. mouth-organs or trumpets for children** *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.
- D G10D 7/123 · · {Mouth-organs}
<administratively transferred to [G10D 7/14](#)>
- D G10D 7/126 · · · {with movable mouthpiece}
<administratively transferred to [G10D 7/15](#)>
- N G10D 7/14 · · *Mouth-organs*
- N G10D 7/15 · · · {with movable mouthpiece}

- N 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.
- C 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.
- D G10D 9/005
- {~~Tuning devices~~}
- <administratively transferred to [G10D 9/01](#)>
- N G10D 9/01
- *Tuning devices*
- C 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.
- D G10D 9/023
- • {~~Reeds~~}
- <administratively transferred to [G10D 9/035](#)>
- N 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.
- D G10D 9/026
- • {~~Cupped mouthpieces~~}
- <administratively transferred to [G10D 9/03](#)>
- N G10D 9/03
- • *Cupped mouthpieces*
- N G10D 9/035
- • *Reeds*
- U G10D 9/04
- Valves; Valve controls
- D G10D 9/043
- • {~~for woodwind instruments~~}
- <administratively transferred to [G10D 9/047](#)>
- D G10D 9/046
- • • {~~with continuous change of tonal pitch~~}
- <administratively transferred to [G10D 9/053](#)>
- N G10D 9/047
- • *for wood wind instruments*
- N G10D 9/053
- • *with continuous change of tonal pitch*
- U G10D 9/06
- Mutes
- N G10D 9/08
- *Material for manufacturing wind musical instruments; Treatment of the material*

- N 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.
- N 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 ~~(keyboards for musical instruments in general G10C 3/12)~~**
- 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.
- C 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.
- D G10D 13/003
- {Drumsticks; Mallets}
- <administratively transferred to [G10D 13/12](#)>
- D G10D 13/006
- • {Pedal-operated bass-drum beaters}
- <administratively transferred to [G10D 13/11](#)>
- N 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.
- T G10D 13/02
- • Drums; Tambourines {with drumheads}
- D G10D 13/021
- • {Changing the sound or tone of a drum (G10D 13/04 takes precedence)}
- <administratively transferred to [G10D 13/10](#) and [G10D 13/02](#)>
- D G10D 13/022
- • • {Mutes, dampers}
- <administratively transferred to [G10D 13/14](#) and [G10D 13/02](#)>
- D G10D 13/023
- • {Tuning devices; Hoops; Lugs}
- <administratively transferred to [G10D 13/16](#) and [G10D 13/02](#)>
- D G10D 13/024
- • {Mechanical details of electronic drums}
- <administratively transferred to [G10D 13/26](#) and [G10D 13/02](#)>

- D G10D 13/025
- • {Snares; Snare-strainers}
 - <administratively transferred to [G10D 13/18](#) and [G10D 13/02](#)>
- D G10D 13/026
- • {Mountings or supports for individual drums (arrangements of several percussion instruments G10D 13/00; supports for carrying musical instrument, while playing G10G 5/005)}
 - <administratively transferred to [G10D 13/28](#) and [G10D 13/02](#)>
- D G10D 13/027
- • {Drumheads}
 - <administratively transferred to [G10D 13/20](#) and [G10D 13/02](#)>
- D G10D 13/028
- • {Shells}
 - <administratively transferred to [G10D 13/22](#)>
- D G10D 13/029
- • {Practice drumkits and pads}
 - <administratively transferred to [G10D 13/03](#)>
- N G10D 13/03
- • Practice drumkits or pads
- M G10D 13/04
- • Timpani
- C G10D 13/06
- • Castanets, cymbals, triangles, *tambourines without drumheads* or other single-toned *percussivepercussion* musical instruments (~~bells G10K~~); ~~{Tambourines without drumheads}~~
- 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.
- N 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 13/065
- • • {Hi-hats}
- M G10D 13/08
- • Multi-toned musical instruments; with sonorous bars, blocks, forks, gongs, plates, rods; or teeth
- D G10D 13/085
- • {keyboard-operated (keyboards for pianos or the like G10C 3/12)}
 - <administratively transferred to [G10D 13/09](#)>
- N G10D 13/09
- • • with keyboards
- Q 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.
- N G10D 13/11
- • Pedals; Pedal mechanisms
- N G10D 13/12
- • Drumsticks; Mallets (pedals for beaters [G10D 13/11](#))
- N G10D 13/14
- • Mutes or dampers
- N G10D 13/16
- • Tuning devices; Hoops; Lugs
- N G10D 13/18
- • Snares; Snare-strainers
- N G10D 13/20
- • Drumheads
- N G10D 13/22
- • Shells

- N 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.
- N 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.
- N G10D 13/26
- {Mechanical details of electronic drums}
- N G10D 13/28
- {Mountings or supports for individual drums (supports for carrying musical instrument, while playing [G10G 5/005](#))}
- M G10D 15/00
- Combinations of different musical instruments (~~combinations with pianos, harpsichords, spinets or similar stringed instruments with one or more keyboards G10C 5/00~~)**
- C G10D 17/00
- Musical instruments not provided for in any of the preceding groups, e.g. ~~Aeolian harp~~, ~~Aeolian harps~~ or singing-flame musical instrumentinstruments**
- 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.
- N 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: RP0647 (G10F)

- U G10F 1/00
- Automatic musical instruments**
- U G10F 1/08
- Percussion musical instruments
- G10F 1/10
- Carillons {(keyboard operated carillons ~~G10D 13/085~~[G10D 13/09](#); operating mechanisms for single bells [G10K 1/34](#))}

Project: RP0647 (G10G)

- G10G 5/00
- Supports for musical instruments {(cellopins or components therefor ~~G10D 3/003~~[G10D 3/01](#))}**

Project: RP0647 (G10H)

- U G10H 2220/00
- Input/output interfacing specifically adapted for electrophonic musical tools or instruments**

- U G10H 2220/155
 - User input interfaces for electrophonic musical instruments (graphical user interfaces specifically adapted for electrophonic musical instruments [G10H 2220/091](#); input means in general [G06F 3/00](#))
- G10H 2220/191
 - • Plectrum or pick sensing, e.g. for detection of string striking or plucking; (Plectra in general, e.g. for stringed musical instruments ~~G10D 3/163~~[G10D 3/173](#))