

ECLA EUROPEAN CLASSIFICATION

A HUMAN NECESSITIES

SUBSECTION: Agriculture

**A01 AGRICULTURE; FORESTRY; ANIMAL HUSBANDRY;
HUNTING; TRAPPING; FISHING**

**A01B SOIL WORKING IN AGRICULTURE OR FORESTRY; PARTS, DETAILS,
OR ACCESSORIES OF AGRICULTURAL MACHINES OR
IMPLEMENTS, IN GENERAL** (making or covering furrows or holes for sowing,
planting, or manuring [A01C5/00](#); soil working for engineering purposes [E01](#), [E02](#), [E21](#);
[N: measuring areas for agricultural purposes [G01B](#)])

A01C PLANTING; SOWING; FERTILISING (combined with general working of soil
[A01B49/04](#); parts, details or accessories of agricultural machines or implements, in
general [A01B51/00](#) to [A01B75/00](#); [N: apparatus for spreading sand or salt [E01C](#); sowing
and fertilising with aircraft [B64D1/16](#) to [B64D1/20](#)])

A01D HARVESTING; MOWING [N: (parts, details or accessories of agricultural machines
or implements in general [A01B51/00](#) to [A01B75/00](#))]

**A01F PROCESSING OF HARVESTED PRODUCE; HAY OR STRAW
PRESSES; DEVICES FOR STORING AGRICULTURAL OR
HORTICULTURAL PRODUCE** (devices for topping or skinning onions or flower
bulbs [A23N15/08](#))

**A01G HORTICULTURE; CULTIVATION OF VEGETABLES, FLOWERS, RICE,
FRUIT, VINES, HOPS OR SEAWEED; FORESTRY; WATERING** (picking
of fruits, vegetables, hops, or the like [A01D46/00](#); plant reproduction by tissue culture
techniques [A01H4/00](#); devices for topping or skinning onions or flower bulbs [A23N15/08](#);
propagating unicellular algae [C12N1/12](#); plant cell culture [C12N5/00](#))

**A01H NEW PLANTS OR PROCESSES FOR OBTAINING THEM; PLANT
REPRODUCTION BY TISSUE CULTURE TECHNIQUES**

A01J MANUFACTURE OF DAIRY PRODUCTS (preservation, pasteurisation,
sterilisation of milk products [A23](#); for chemical matters, see subclass
[A23C](#))

- A01K** **ANIMAL HUSBANDRY; CARE OF BIRDS, FISHES, INSECTS; FISHING; REARING OR BREEDING ANIMALS, NOT OTHERWISE PROVIDED FOR; NEW BREEDS OF ANIMALS**
- A01L** **SHOEING OF ANIMALS** [N: (making metal horseshoes by rolling [B21H7/12](#); making horseshoes or appurtenances therefor by forging or pressing [B21K15/02](#); casting of metals [B22D](#))]
- A01M** **CATCHING OR TRAPPING OF ANIMALS** (apiculture [A01K47/00](#) to [A01K59/00](#); fishing [A01K69/00](#) to [A01K97/00](#); pesticides [A01N](#)); **APPARATUS FOR THE DESTRUCTION OF NOXIOUS ANIMALS OR NOXIOUS PLANTS** (equipment fitted in or to aircraft for dropping or releasing powdered, liquid or gaseous matter, e.g. pesticides, herbicides, [B64D1/16](#))
- A01N** **PRESERVATION OF BODIES OF HUMANS OR ANIMALS OR PLANTS OR PARTS THEREOF; BIOCIDES, e.g. AS DISINFECTANTS, AS PESTICIDES, AS HERBICIDES** (preparations for medical, dental or toilet purposes [A61K](#); methods or apparatus for disinfection or sterilisation in general, or for deodorising of air [A61L](#)); **PEST REPELLANTS OR ATTRACTANTS** (decoys [A01M1/06](#); medicinal preparations [A61K](#)); **PLANT GROWTH REGULATORS** (compounds in general [C01](#), [C07](#), [C08](#); fertilisers [C05](#); soil conditioners or stabilisers [C09K17/00](#)) [[C9908](#)]

SUBSECTION: Foodstuffs; tobacco

- A21** **BAKING; EDIBLE DOUGHS**
- A21B** **BAKERS` OVENS; MACHINES OR EQUIPMENT FOR BAKING** (domestic baking equipment [A47J37/00](#); combustion apparatus [F23](#); domestic stoves or ranges being wholly or partly ovens [F24B](#), [F24C](#))
- A21C** **MACHINES OR EQUIPMENT FOR MAKING OR PROCESSING DOUGHS; HANDLING BAKED ARTICLES MADE FROM DOUGH**
- A21D** **TREATMENT, e.g. PRESERVATION, OF FLOUR OR DOUGH, e.g. BY ADDITION OF MATERIALS; BAKING; BAKERY PRODUCTS; PRESERVATION THEREOF**
- A22** **BUTCHERING; MEAT TREATMENT; PROCESSING POULTRY OR FISH**

A22B SLAUGHTERING

A22C ROCESSING MEAT, POULTRY, OR FISH (preserving A23B; obtaining protein compositions for foodstuffs [A23J1/00](#); fish, meat or poultry preparations A23L; disintegrating, e.g. chopping meat, [B02C18/00](#); preparation of proteins [C07K1/00](#)) [\[C9409\]](#)

A23 FOODS OR FOODSTUFFS; THEIR TREATMENT, NOT COVERED BY OTHER CLASSES**Note**

Attention is drawn to the following places:

[C08B](#) Polysaccharides, derivatives thereof
[C11](#) Animal or vegetable oils, fats, fatty substances or waxes
[C12](#) Biochemistry, beer, spirits, wine, vinegar
[C13](#) Sugar industry

A23B PRESERVING, e.g. BY CANNING, MEAT, FISH, EGGS, FRUIT, VEGETABLES, EDIBLE SEEDS; CHEMICAL RIPENING OF FRUIT OR VEGETABLES; THE PRESERVED, RIPENED, OR CANNED PRODUCTS (preserving foodstuffs in general [A23L3/00](#); preserving in general A61L; applying food preservatives in packages [B65D81/28](#))

A23C DAIRY PRODUCTS, e.g. MILK, BUTTER, CHEESE; MILK OR CHEESE SUBSTITUTES; MAKING THEREOF (obtaining protein compositions for foodstuffs, [N: e.g. from milk], [A23J1/00](#); preparation of peptides, e.g. of proteins, in general [C07K1/00](#)) [\[C9409\]](#)

A23D EDIBLE OILS OF FATS, e.g. MARGARINES, SHORTENINGS, COOKING OILS (animal feeding-stuffs [A23K1/00](#); foods or foodstuffs containing edible oils or fats [A21D](#), [A23C](#), [A23G](#), [A23L](#); obtaining, refining, preserving [C11B](#), [C11C](#); hydrogenation [C11C3/12](#))

A23F COFFEE; TEA; THEIR SUBSTITUTES; MANUFACTURE, PREPARATION, OR INFUSION THEREOF (coffee or tea pots [A47G19/14](#); tea infusers [A47G19/16](#); apparatus for making beverages, e.g. coffee or tea, [A47J31/00](#); coffee mills [A47J42/00](#))

A23G COCOA; COCOA PRODUCTS, e.g. CHOCOLATE; SUBSTITUTES FOR COCOA OR COCOA PRODUCTS; CONFECTIONERY; CHEWING GUM; ICE-CREAM; PREPARATION THEREOF [\[C0509\]](#)

A23J PROTEIN COMPOSITIONS FOR FOODSTUFFS; WORKING-UP

TEINS FOR FOODSTUFFS; PHOSPHATIDE COMPOSITIONS FOR FOODSTUFFS (fodder [A23K](#); protein compositions or phosphatide compositions for pharmaceuticals [A61K](#); phosphatides per se [C07F9/10](#); proteins per se [C07K](#))

- A23K FODDER**
- A23L FOODS, FOODSTUFFS, OR NON-ALCOHOLIC BEVERAGES, NOT COVERED BY SUBCLASSES A23B TO A23J; THEIR PREPARATION OR TREATMENT, e.g. COOKING, MODIFICATION OF NUTRITIVE QUALITIES, PHYSICAL TREATMENT (shaping or working, not fully covered by this subclass, A23P); PRESERVATION OF FOODS OR FOODSTUFFS, IN GENERAL**
- A23N MACHINES OR APPARATUS FOR TREATING HARVESTED FRUIT, VEGETABLES OR FLOWER BULBS IN BULK, NOT OTHERWISE PROVIDED FOR; PEELING VEGETABLES OR FRUIT IN BULK; APPARATUS FOR PREPARING ANIMAL FEEDING- STUFFS** (machines for cutting straw or fodder [A01F29/00](#); disintegrating, e.g. shredding, [B02C](#); severing, e.g. cutting, splitting, slicing [B26B](#), [B26D](#))
- A23P SHAPING OR WORKING OF FOODSTUFFS, NOT FULLY COVERED BY A SINGLE OTHER SUBCLASS** (shaping substances in a plastic state in general [B29C](#))
- A24 TOBACCO; CIGARS; CIGARETTES; SMOKERS` REQUISITES**
- A24B MANUFACTURE OR PREPARATION OF TOBACCO FOR SMOKING OR CHEWING; TOBACCO; SNUFF**
- A24C MACHINES FOR MAKING CIGARS OR CIGARETTES**
- A24D CIGARS; CIGARETTES; TOBACCO SMOKE FILTERS; MOUTHPIECES FOR CIGARS OR CIGARETTES; MANUFACTURE OF TOBACCO SMOKE FILTERS OR MOUTHPIECES**
- A24F SMOKERS` REQUISITES; MATCH BOXES** (lighters [F23Q](#))

SUBSECTION: Personal or domestic articles

A41	WEARING APPAREL
A41B	SHIRTS; UNDERWEAR; BABY LINEN; HANDKERCHIEFS [C0008]
A41C	CORSETS; BRASSIERES [C0008]
A41D	OUTERWEAR; PROTECTIVE GARMENTS; ACCESSORIES (eye or ear protectors A61F9/00 , A61F11/00 ; sweating suits A61H36/00)
A41F	GARMENT FASTENINGS; SUSPENDERS
A41G	ARTIFICIAL FLOWERS; WIGS; MASKS; FEATHERS
A41H	APPLIANCES OR METHODS FOR MAKING CLOTHES, e.g. FOR DRESS-MAKING, FOR TAILORING, NOT OTHERWISE PROVIDED FOR (machines, appliances, or methods for making particular articles of apparel, see the relevant groups for these articles in A41B to A41F; cutting tools or machines in general B26; weaving, braiding, lace-making, knitting, tufting, treating of textiles D03 to D06; sewing-machines, sewing appliances, seam-ripping devices D05B; cutting or otherwise severing textile materials D06H7/00)
A42	HEADWEAR
A42B	HATS; HEAD COVERINGS (headbands, head-scarves A41D20/00 , A41D23/00)
A42C	MANUFACTURING OR TRIMMING HATS OR OTHER HEAD COVERINGS
A43	FOOTWEAR
A43B	CHARACTERISTIC FEATURES OF FOOTWEAR; PARTS OF FOOTWEAR
A43C	FASTENINGS OR ATTACHMENTS OF FOOTWEAR; LACES IN GENERAL
A43D	MACHINES, TOOLS, EQUIPMENT OR METHODS FOR MANUFACTURING OR REPAIRING FOOTWEAR

A44 HABERDASHERY; JEWELLERY

A44B **BUTTONS, PINS, BUCKLES, SLIDE FASTENERS, OR THE LIKE** (fastenings specially adapted for footwear A43C)

A44C **JEWELLERY; BRACELETS; OTHER PERSONAL ADORNMENTS; COINS** (jewel boxes [A45C11/16](#))

A45 HAND OR TRAVELLING ARTICLES

A45B **WALKING STICKS; UMBRELLAS; LADIES` OR LIKE FANS** (cane or umbrella stands or holders [A47G25/12](#))

A45C **PURSES; LUGGAGE; HAND CARRIED BAGS** (sacks or packs carried on the body A45F containers in general B65D, e.g. portable flexible containers, [B65D27/00](#) to [B65D37/00](#); making leather, canvas, or like articles B68F)

A45D **HAIRDRESSING OR SHAVING EQUIPMENT; MANICURING OR OTHER COSMETIC TREATMENT** (wigs, toupees, or the like [A41G3/00](#), [A41G5/00](#); hairdressers` chairs [A47C1/04](#); hair cutting appliances, razors B26B)

A45F **TRAVELLING OR CAMP EQUIPMENT; SACKS OR PACKS CARRIED ON THE BODY** (hand carried bags or luggage A45C)[C0412]

A46 BRUSHWARE

A46B **BRUSHES** (handles not integral with brushware B25G)

A46D **MANUFACTURE OF BRUSHES**

A47 **FURNITURE** (arrangements of seats for, or adaptations of seats to, vehicles [B60N](#)); **DOMESTIC ARTICLES OR APPLIANCES; COFFEE MILLS; SPICE MILLS; SUCTION CLEANERS IN GENERAL** (ladders [E06C](#))

Note

In this subclass, the following term is used with the meaning indicated:

- "furniture" covers also easels or stands, e.g. for blackboards

or
drawing tables.

- A47B** **TABLES; DESKS; OFFICE FURNITURE; CABINETS; DRAWERS; GENERAL DETAILS OF FURNITURE (furniture jointing F16B)** [C1204]
- A47C** **CHAIRS** (seats specially adapted for vehicles [B60N2/00](#); [N: hunting stands, e.g. hunting seats [A01M31/02](#); seats adapted for angling, e.g. fisherman's seats [A01K97/22](#); bath seats [A47K3/12](#); shower seats [A47K3/28B1](#); chairs with toilet means [A47K11/04](#); seats for surgeons, dentists [A61B19/00J](#); chairs for disabled persons [A61G5/00](#); operating chairs, dental chairs, physiotherapeutic chairs, gynaecological chairs [A61G15/00](#); chairs with massage means [A61H1/00B4](#); ski-lift seats [B61B12/00B](#); rail vehicles seats [B61D33/00](#); vessel furniture, e.g. boat seats [B63B29/04](#); aircraft seats [B64D11/06](#)]; **SOFAS; BEDS** (upholstery in general [B68G](#); [N: beds specially adapted for nursing [A61G7/00](#); sleeping accommodation for caravans [B60P3/38](#), sleeping accommodation for rail vehicles [B61D31/00](#); sleeping accommodation for load-carrying vehicles [B62D33/06D](#); berths for vessels [B63B29/10J](#)] [C0710])
- A47D** **FURNITURE SPECIALLY ADAPTED FOR CHILDREN** (school benches or desks [A47B39/00](#), [A47B41/00](#))
- A47F** **SPECIAL FURNITURE, FITTINGS, OR ACCESSORIES FOR SHOPS, STOREHOUSES, BARS, RESTAURANTS OR THE LIKE; PAYING COUNTERS**
- A47G** **HOUSEHOLD OR TABLE EQUIPMENT** (book-ends [A47B5/00](#); knives [B26B](#))
- A47H** **FURNISHINGS FOR WINDOWS OR DOORS** (concerned with the functioning of the door or window [E05](#); roller blinds [E06B](#))
- A47J** **KITCHEN EQUIPMENT** [N: (domestic washing or cleaning [A47L](#); refuse receptacles [B65F1/00](#))]; **COFFEE MILLS; SPICE MILLS; APPARATUS FOR MAKING BEVERAGES** (disintegrating, e.g. mincing, [B02C](#); severing, e.g. cutting, slicing, [B26B](#), [B26D](#)) [C9508]
- A47K** **SANITARY EQUIPMENT NOT OTHERWISE PROVIDED FOR** (connecting to water supply or waste pipe, sinks [E03C](#); water-closets [E03D](#)); **TOILET ACCESSORIES** (cosmetic equipment [A45D](#))
- A47L** **DOMESTIC WASHING OR CLEANING** (brushes [A46B](#); cleaning quantities of bottles or of other hollow articles of one kind [B08B9/00](#); laundry [D06F](#)); **SUCTION**

CLEANERS IN GENERAL (cleaning in general B08) [C9502]**SUBSECTION: Health; amusement****A61 MEDICAL OR VETERINARY SCIENCE; HYGIENE**

A61B DIAGNOSIS; SURGERY; IDENTIFICATION (analysing biological material G01N, e.g. [G01N33/48](#); obtaining records using waves other than optical waves, in general [G03B42/00](#))

A61C DENTISTRY; APPARATUS OR METHODS FOR ORAL OR DENTAL HYGIENE (non-driven toothbrushes A46B; [N: tongue scrapers [A61B17/24](#);] preparations for dentistry [A61K6/00](#); preparations for cleaning the teeth or mouth [A61K8/00](#), [A61Q11/00](#))

A61D VETERINARY INSTRUMENTS, IMPLEMENTS, TOOLS, OR METHODS

A61F FILTERS IMPLANTABLE INTO BLOOD VESSELS; PROSTHESES; ORTHOPAEDIC, NURSING OR CONTRACEPTIVE DEVICES; FOMENTATION; TREATMENT OR PROTECTION OF EYES OR EARS; BANDAGES, DRESSINGS OR ABSORBENT PADS; FIRST-AID KITS (dental prosthetics A61C)

A61G TRANSPORT OR ACCOMODATION FOR PATIENTS; OPERATING TABLES OR CHAIRS; CHAIRS FOR DENTISTRY; FUNERAL DEVICES (embalming corpses [A01N1/00](#); [N: chairs or beds in general A47C; walking aids [A61H3/00](#)])

A61H PHYSICAL THERAPY APPARATUS, e.g. DEVICES FOR LOCATING OR STIMULATING REFLEX POINTS IN THE BODY; ARTIFICIAL RESPIRATION; MASSAGE; BATHING DEVICES FOR SPECIAL THERAPEUTIC OR HYGIENIC PURPOSES OR SPECIFIC PARTS OF THE BODY (methods or devices enabling invalids to operate an apparatus or a device not forming part of the body [A61F4/00](#); electrotherapy, magnetotherapy, radiation therapy, ultrasound therapy A61N) [C9604]

A61J CONTAINERS SPECIALLY ADAPTED FOR MEDICAL OR PHARMACEUTICAL PURPOSES; DEVICES OR METHODS SPECIALLY ADAPTED FOR BRINGING PHARMACEUTICAL PRODUCTS INTO PARTICULAR PHYSICAL OR ADMINISTERING FORMS; DEVICES FOR ADMINISTERING FOOD OR MEDICINES ORALLY; BABY COMFORTERS; DEVICES FOR RECEIVING SPITTLE

- A61K PREPARATIONS FOR MEDICAL, DENTAL, OR TOILET PURPOSES**
(devices or methods specially adapted for bringing pharmaceutical products into particular physical or administering forms [A61J3/00](#); chemical aspects of, or use of materials for deodorisation of air, for disinfection or sterilisation, or for bandages, dressings, absorbent pads or surgical articles [A61L](#); [N: compounds per se [C01](#), [C07](#), [C08](#), [C12N](#)]; soap compositions [C11D](#); [N: micro-organisms per se [C12N](#)]) [[C1003](#)]
- A61L METHODS OR APPARATUS FOR STERILISING MATERIALS OR OBJECTS IN GENERAL; DISINFECTION, STERILISATION, OR DEODORISATION OF AIR; CHEMICAL ASPECTS OF BANDAGES, DRESSINGS, ABSORBENT PADS, OR SURGICAL ARTICLES; MATERIALS FOR BANDAGES, DRESSINGS, ABSORBENT PADS, OR SURGICAL ARTICLES** (preservation of bodies or disinfecting characterised by the agent employed [A01N](#); preserving, e.g. sterilising, food or foodstuffs [A23](#); preparations for medical, dental or toilet purposes [A61K](#); preparation of ozone [C01B13/10](#))
- A61M DEVICES FOR INTRODUCING MEDIA INTO, OR ONTO, THE BODY**
(introducing media into or onto the bodies of animals [A61D7/00](#); means for inserting tampons [A61F13/26](#); devices for administering food or medicines orally [A61J](#); containers for collecting, storing or administering blood or medical fluids [A61J1/05](#)); **DEVICES FOR TRANSDUCING BODY MEDIA OR FOR TAKING MEDIA FROM THE BODY** (surgery [A61B](#); chemical aspects of surgical articles [A61L](#)); **DEVICES FOR PRODUCING OR ENDING SLEEP OR STUPOR**
- A61N ELECTROTHERAPY; MAGNETOTHERAPY; RADIATION THERAPY; ULTRASOUND THERAPY** (measurement of bioelectric currents [A61B](#); surgical instruments, devices or methods for transferring non-mechanical forms of energy to or from the body [A61B18/00](#); anaesthetic apparatus in general [A61M](#); incandescent lamps [H01K](#); infra-red radiators for heating [H05B](#))
- A61Q SPECIFIC USE OF COSMETICS OR SIMILAR TOILET PREPARATIONS**
- A62 LIFE-SAVING; FIRE-FIGHTING** (ladders [E06C](#))
- A62B DEVICES, APPARATUS OR METHODS FOR LIFE-SAVING** (valves specially adapted for medical use [A61M39/00](#); life-saving devices, apparatus or methods specially adapted for use in water [B63C9/00](#); divers' equipment [B63C11/00](#); specially adopted for use with aircraft, e.g. parachutes, ejector seats, [B64D](#); rescue devices peculiar to mining [E21F11/00](#))
- A62C FIRE-FIGHTING** (fire-extinguishing compositions, use of chemical substances in extinguishing fires [A62D1/00](#); spraying, applying liquids or other fluent materials to surfaces in general [B05](#); alarm arrangements [G08B](#), e.g. fire alarms actuated by smoke or gases [G08B17/10](#))

A62D	CHEMICAL MEANS FOR EXTINGUISHING FIRES OR FOR COMBATING OR PROTECTING AGAINST HARMFUL CHEMICAL AGENTS; CHEMICAL MATERIALS FOR USE IN BREATHING APPARATUS
A63	SPORTS; GAMES; AMUSEMENTS
A63B	APPARATUS FOR PHYSICAL TRAINING, GYMNASTICS, SWIMMING, CLIMBING, OR FENCING; BALL GAMES; TRAINING EQUIPMENT (apparatus for passive exercising, massage A61H)
A63C	SKATES; SKIS; ROLLER SKATES; DESIGN OR LAYOUT OF COURTS, RINKS OR THE LIKE (devices for underwater sports A63B31/00, A63B33/00, B63C11/00 ; devices for gliding on water, e.g. water skis, B63B35/79, B63B35/81, B63B35/83)
A63D	BOWLING-ALLEYS; BOWLING GAMES; BOCCIA; BOWLS; BAGATELLE; BILLIARDS (balls A63B ; indoor games using small moving playing bodies, e.g. balls, A63F7/00)
A63F	CARD, BOARD, OR ROULETTE GAMES; INDOOR GAMES USING SMALL MOVING PLAYING BODIES; MISCELLANEOUS GAMES (data-processing equipment characterised by a specific application for game playing G06F17/00, G06F19/00 ; [N: coin-freed apparatus for games G07F17/32])
A63G	MERRY-GO-ROUNDS; SWINGS; ROCKING-HORSES; CHUTES; SWITCHBACKS; SIMILAR DEVICES FOR PUBLIC AMUSEMENT
A63H	TOYS, e.g. TOPS, DOLLS, HOOPS, BUILDING BLOCKS
A63J	DEVICES FOR THEATRES, CIRCUSES, OR THE LIKE; CONJURING APPLIANCES OR THE LIKE (buildings for meetings, entertainments or sports E04H3/10)
A63K	RACING; RIDING SPORTS; EQUIPMENT OR ACCESSORIES THEREFOR (stop watches G04F7/06 ; timing G07C1/22 ; indicating arrangements for variable information by selection or combination of individual elements G09F9/00)