

CPC COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

AGRICULTURE

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

A01G HORTICULTURE; CULTIVATION OF VEGETABLES, FLOWERS, RICE, FRUIT, VINES, HOPS OR SEAWEED; FORESTRY; WATERING (picking of fruits, vegetables, hops, or the like [A01D 46/00](#); plant reproduction by tissue culture techniques [A01H 4/00](#); devices for topping or skinning onions or flower bulbs [A23N 15/08](#); propagating unicellular algae [C12N 1/12](#); plant cell culture [C12N 5/00](#))

WARNING

The following IPC groups are not used in the CPC scheme. Subject matter covered by these groups is classified in the following CPC groups:

[A01G 33/02](#)

covered by

[A01G 33/00](#)

1/00	Horticulture; Cultivation of vegetables (labels or name-plates G09F 3/00, G09F 7/00)	3/0251	. . . {Loppers, i.e. branch cutters with two handles (hedge shears A01G 3/0475)}
1/001	. {Horticultural methods}	3/0255	. . . {Tree pruners, i.e. pruning shears carried at the end of a pole}
1/002	. {Growing turf}	3/033	. . having motor-driven blades
1/004	. . {Pre-cultivated sod; Machines for laying it down}	3/0335	. . . {having elongated or extended handles}
1/005	. . {Planted mats, e.g. for covering roofs}	3/037	. . . the driving means being an electric motor
1/007	. . {Flat containers, e.g. for covering roofs}	3/04	. Apparatus for trimming hedges, e.g. hedge shears
2001/008	. {Growing plants or turf in soil-like layered substrates using a foil}	3/0408	. . {specially adapted for trellis work, e.g. machines for pruning vine or the like (preliminary pruning vines A01G 17/023 ; defoliating machines A01G 17/026)}
1/02	. Cultivation of asparagus	3/0417	. . {Guiding frames for trimming hedges}
1/04	. Cultivation of mushrooms (composts or fertilisers for cultivating mushrooms C05)	3/0426	. . {Machines for pruning vegetation on embankments and road-sides}
1/042	. . {Growing rooms with treatment apparatus; Cultivation racks or trays}	3/0435	. . {Machines specially adapted for shaping plants, e.g. topiaries}
1/044	. . {Apparatus for treating mushroom compost}	2003/0443	. . {with height-adjustable platforms}
1/046	. . {Cultivation bags or bottles}	2003/0452	. . {with platforms for persons}
1/048	. . {Mycorrhiza}	2003/0461	. . {with reciprocating knives}
1/06	. Grafting (grafting-wax A01N 3/04)	3/047	. . portable
2001/065	. . {Removing buds}	3/0475	. . . {Hedge shears}
1/08	. Edging for beds, lawns, or the like, e.g. using tiles	3/053	. . . motor-driven
1/12	. Tools for cultivating turf; Sweeping apparatus for lawns; Garden rollers (machines for treating meadows or lawns A01B 45/00 ; lawn-mowers A01D 34/00)	3/0535	. . . . {with rotatable knives}
1/125	. . {Machines for sweeping lawns and for collecting or disintegrating lawn debris}	3/06	. Hand-held edge trimmers or shears for lawns {(with a flexible rotating cutter A01D 34/416)}
3/00	Cutting implements specially adapted for horticultural purposes; Delimbing standing trees (felling trees A01G 23/08; hand-held cutting tools suitable for other use B26B)	3/062	. . {Motor-driven edge trimmers}
3/002	. {for comminuting plant waste (comminuting by cutting implements in general B02C 18/00)}	3/065	. . {Hand operated shears for lawns}
2003/005	. {Removing buds}	3/067	. . {Motor-driven shears for lawns}
2003/007	. {Using spray}	3/08	. Other tools for pruning, branching or delimbing standing trees
3/02	. Secateurs; Flower or fruit shears	3/081	. . {Manual cutting tools not otherwise provided for, e.g. pruning hooks}
3/021	. . {characterized by the arrangement of pivots}	3/083	. . {Manual pruning saws (saws in general B27B)}
2003/023	. . {with means for grasping the cut object}	3/085	. . {Motor-driven saws for pruning or branching (saws in general B27B)}
3/025	. . having elongated or extended handles	3/086	. . . {Chain saws (chain saws in general B27B 17/00)}

3/088	. . . {Circular saws (circular saws in general B27B 5/00)}	9/1026	. . . {Seed or shoot receptacles}
5/00	Floral handling	9/1033	. . . {Sterile receptacles, e.g. for tissue culture}
2005/005	. {Thorn removers}	9/104	. . {Units comprising two or more connected receptacles}
5/02	. Apparatus for binding bouquets or wreaths	2009/1046	. . . {containing mineral wool}
5/04	. Mountings for wreaths, or the like; Racks or holders for flowers	2009/1053	. . . {containing superabsorbents}
5/06	. Devices for preserving flowers (chemical substances A01N 3/02 ; flower vases A47G 7/06)	2009/106	. . . {containing wood}
7/00	Botany in general (cultivation without soil A01G 31/00)	9/1066	. . {Grids for supporting several receptacles}
7/02	. Treatment of plants with carbon dioxide (greenhouses therefor A01G 9/18)	9/1073	. . {Receptacles specially adapted for air layering}
7/04	. Electric or magnetic treatment of plants for promoting growth	9/108	. . {Handling or transporting of soil blocks or seedlings}
7/045	. . {with electric lighting}	9/1086	. . {Composition of plant substrate bodies (plant growth regulators A01N ; fertilizers C05 ; soil conditioning or soil stabilizing materials C09K 17/00)}
7/06	. Treatment of growing trees or plants, e.g. for preventing decay of wood, for tingeing flowers or wood, for prolonging the life of plants	2009/1093	. . {for dwarf plants}
9/00	Cultivation of plants in receptacles, forcing-frames, or greenhouses (cultivation without soil A01G 31/00 {; turfing of roofs E04D 11/002 })	9/12	. Supports for plants; Trellis for strawberries or the like ({ trellis-work for vines A01G 17/06 }; stays for trees, props for vines A01G 17/14)
2009/003	. {Plant pots consisting of two halves, allowing easy removal of the plant}	9/122	. . {Stakes}
9/006	. {Labels or label holders for flower pots}	9/124	. . . {Means for holding stakes upright in, on, or beside pots}
9/02	. Receptacles, e.g. flower-pots or boxes (hanging flower baskets, holders or containers for flower-pots A47G 7/00); Glasses for cultivating flowers	9/126	. . {Wirespool supports}
9/021	. . {Pots formed in one piece; Materials used therefor}	9/128	. . {Fixing of plants to supports, e.g. by means of clips}
9/022	. . {Pots for vertical horticulture}	9/14	. Greenhouses (cloches A01G 13/04 {; glazing bars, glazing clips therefor E04D 3/06 })
9/023	. . . {Multi-tiered planters}	9/1407	. . {of flexible synthetic material}
9/024	. . . {Hanging flower pots and baskets}	9/1415	. . . {with double or multiple walls}
9/025	. . . {Containers and elements for greening walls (for covering roofs A01G 1/007)}	9/1423	. . {Greenhouse bench structures}
9/026	. . {Foldable pots}	9/143	. . {Equipment for handling produce in greenhouses}
9/027	. . {Pots connected in horizontal rows}	9/1438	. . {Covering materials therefor; Materials for protective coverings used for soil and plants, e.g. films, canopies, tunnels or cloches}
9/028	. . {Multi-compartmented pots}	2009/1446	. . . {with perforations}
9/04	. Flower-pot saucers	2009/1453	. . . {containing textile products}
9/042	. . {Combinations of a saucer and a flower pot attached together}	2009/1461	. . . {containing woven structures}
9/045	. . {Trays for receiving multiple pots}	9/1469	. . {with double or multiple walls}
9/047	. . {Channels or gutters, e.g. for hydroponics}	9/1476	. . {Greenhouse gutters (gutters in general E04D 13/064)}
9/06	. Devices for cleaning flower-pots	2009/1484	. . {Glazing apparatus}
9/08	. Devices for filling-up flower-pots {or pots for seedlings}; Devices for setting plants {or seeds} in pots	2009/1492	. . {Cleaning apparatus}
9/081	. . {Devices for filling-up pots}	9/16	. . Dismountable or portable greenhouses{; Greenhouses with sliding roofs }
9/083	. . {Devices for setting plants in pots}	9/18	. Greenhouses for treating plants with carbon dioxide or the like
9/085	. . {Devices for setting seeds in pots}	9/20	. Forcing-frames; Lights
9/086	. . {Devices for repotting}	9/22	. Shades or blinds for greenhouses, or the like ({ canopies A01G 13/0206 })
9/088	. . {Handling or transferring pots}	9/222	. . {Lamellar or like blinds (in general E06B 9/26)}
9/10	. Pots {or other receptacles} for {seeds,} seedlings {, saplings, cuttings or other young plants, e.g. foldable pots}; Soil-blocks {or like} for seedlings {; Plant substrate bodies}; Means for forming soil-blocks	9/225	. . {Inflatable structures}
9/1006	. . {Tools, machines and methods for forming soil blocks or compressed pots, e.g. from peat}	9/227	. . {rolled up during non-use (in general E06B 9/08)}
9/1013	. . {soil blocks or compressed pots}	9/24	. Devices {or systems} for heating, ventilating, regulating temperature, or watering, in greenhouses, forcing-frames, or the like
9/102	. . {Planting receptacles specially adapted for remaining in the soil after planting}	9/241	. . {Arrangement of opening or closing systems for windows and ventilation panels}
		9/242	. . . {for greenhouses with flexible coverings}
		9/243	. . {Collecting solar energy (in general F24J)}
		9/245	. . {Conduits for heating by means of liquids, e.g. used as frame members or for soil heating}

- 9/246 . . {Air-conditioning systems}
- 9/247 . . {Watering arrangements}
- 2009/248 . . {with distillation of water}
- 9/26 . . Electric devices
- 11/00 Sterilising soil by steam** (soil-conditioning or soil-stabilising materials [C09K 17/00](#))
- 13/00 Protecting plants** (apparatus for the destruction of vermin or noxious animals [A01M](#); use of chemical materials therefor, composition of protective materials, e.g. grafting wax, [A01N](#); coverings around trees forming part of a road [E01C 9/005](#))
 - 2013/002 . {Wind breakers}
 - 2013/004 . {Liquid mulch}
 - 2013/006 . {with perforations}
 - 2013/008 . {using straw}
 - 13/02 . Protective coverings for plants; {Coverings for the ground;} Devices for laying-out {or removing} coverings {(covering materials [A01G 9/1438](#))}
 - 13/0206 . . {Canopies, i.e. devices providing a roof above the plants}
 - 13/0212 . . . {for individual plants, e.g. for plants in pots}
 - 2013/0218 . . {for removing}
 - 13/0225 . . {Wind breakers, i.e. devices providing lateral protection of the plants}
 - 13/0231 . . {Tunnels, i.e. protective full coverings for rows of plants (dismountable or portable greenhouses [A01G 9/16](#))}
 - 13/0237 . . {Devices for protecting a specific part of a plant, e.g. roots, trunk or fruits}
 - 13/0243 . . {Protective shelters for young plants, e.g. tubular sleeves}
 - 13/025 . . {Devices for laying-out or removing plant coverings (for ground coverings [A01G 13/0287](#))}
 - 13/0256 . . {Ground coverings}
 - 13/0262 . . . {Mulches, i.e. covering material not-pre-formed in mats or sheets ([A01G 13/0281](#) takes precedence; composition of mulches [C09K 17/52](#))}
 - 13/0268 . . . {Mats or sheets, e.g. nets or fabrics ([A01G 13/0281](#) takes precedence)}
 - 13/0275 {Films}
 - 13/0281 . . . {Protective ground coverings for individual plants, e.g. for plants in pots (coverings around trees forming part of a road [E01C 9/005](#))}
 - 13/0287 . . . {Devices for laying-out or removing ground coverings}
 - 13/0293 . . . {Anchoring means for ground coverings}
 - 13/04 . . Cloches {, i.e. protective full coverings for individual plants (dismountable or portable greenhouses [A01G 9/16](#); individual canopies [A01G 13/0212](#))}
 - 13/043 . . . {with flexible coverings}
 - 2013/046 . . . {foldable}
 - 13/06 . . Devices for generating heat, smoke, or fog in gardens, orchards, or forests, e.g. to prevent damage by frost ({bee-smokers [A01K 55/00](#); fumigators for destroying insects [A01M 13/006](#); for destroying rats [A01M 17/004](#)}; chemical aspects of generating smoke or mist [C06D 3/00](#); heating devices in general, see the appropriate classes, e.g. [F24](#))
 - 13/065 . . {Frost protection by generating fog or by spraying}
 - 13/08 . . Mechanical apparatus for circulating the air
- 13/10 . . Devices for affording protection against animals, birds, or other pests ({protective shelters for young plants [A01G 13/0243](#)}; traps [A01M 23/00](#) {; scaring or repelling devices [A01M 29/00](#)}; pesticides [A01N](#))
- 13/105 . . {Protective devices against slugs, snails, crawling insects or other climbing animals}
- 15/00 Devices or methods for influencing weather conditions** (dispersing fog in general [E01H 13/00](#))
- 16/00 Cultivation of rice** ([A01G 9/00](#) takes precedence)
- 17/00 Cultivation of hops, vines, fruit trees, or like trees**
 - 17/005 . {Cultivation methods}
 - 17/02 . Cultivation of hops or vines
 - 17/023 . . {Machines for priming and/or preliminary pruning of vines, i.e. removing shoots and/or buds (trimming apparatus for trellis work [A01G 3/0408](#))}
 - 17/026 . . {Machines for removing leaves of vines}
 - 17/04 . Supports for hops, vines, or trees
 - 17/06 . . Trellis-work
 - 2017/065 . . . {Trellis-work for supporting vines having wire-tensioning devices}
 - 17/08 . . . Tools for attaching hops, vines, or boughs to trellis-work; Tying devices
 - 17/085 {Tying instruments; Espalier machines}
 - 17/10 . . Holders for boughs or branches
 - 17/12 . . Tree-bands
 - 17/14 . . Props; Stays
 - 17/16 . . . Devices for driving-in or pulling-out props
 - 17/18 . . Means for filling-up wounds in trees
- 21/00 {Devices for hanging-up harvested fruit}**
- 23/00 Forestry**
 - 23/003 . {Collecting felled trees}
 - 23/006 . . {Log skidders}
 - 23/02 . Transplanting, uprooting, felling or delimbing trees (delimbing standing trees [A01G 3/00](#))
- NOTE**
Tree feeding devices are covered by group [B27B 25/00](#)
- 23/04 . . Transplanting trees; Devices for grasping the root ball, e.g. stump forceps; Wrappings or packages for transporting trees
- 23/043 . . . {Transplanting devices for grasping, undercutting or transporting the root ball ([A01G 23/046](#) takes precedence)}
- 23/046 . . . {Transplanting devices using elements to be driven into the ground for making a container around the root ball}
- 23/06 . . Uprooting or pulling up trees; Extracting or eliminating stumps
 - 23/062 . . . {Pulling up trees or stumps}
 - 23/065 {in a substantially vertical plane}
 - 23/067 . . . {by comminuting the tree stumps}
 - 23/08 . . Felling trees (axes [B26B 23/00](#); saws, sawing machines [B27B](#))
 - 23/081 . . . Feller-bunchers, i.e. with bunching by felling head ([A01G 23/083](#) takes precedence)
 - 23/083 . . . Feller-delimiters

23/085	. . . . having the shearing head mounted on a first boom and the delimbing head mounted on a second boom	27/006	. {Reservoirs, separate from plant-pots, dispensing directly into rooting medium}
23/087	. . . Shearing apparatus or the like specially adapted for felling trees (A01G 23/081 , A01G 23/083 , A01G 23/093 take precedence)	27/008	. {Component parts, e.g. dispensing fittings, level indicators}
23/089	. . . . having two or more shears	27/02	. having a water reservoir, the main part thereof being located wholly around or directly beside the growth substrate (A01G 27/06 takes precedence)
23/09	. . . . of the percussion type	27/04	. using wicks or the like
23/091	. . . Sawing apparatus specially adapted for felling trees (A01G 23/081 , A01G 23/083 , A01G 23/093 take precedence)	27/06	. . having a water reservoir, the main part thereof being located wholly around or directly beside the growth substrate
23/093	. . . Combinations of shearing, sawing or milling apparatus specially adapted for felling trees	29/00	Root feeders; Injecting fertilisers into the roots
23/095	. . Delimbers (A01G 23/083 takes precedence; manufacture of wood shavings, chips, powder, or the like, <i>per se</i> B27L 11/00)	31/00	Hydroponics; Cultivation without soil (A01G 33/00 takes precedence)
23/0955	. . . {Self-propelled along standing trees}	31/001	. {Soilless culture substrates}
23/097	. . . having a fixed delimbing head	2031/002	. {Substrates with a flexible envelope}
23/099	. . Auxiliary devices, e.g. felling wedges	2031/003	. {with foam substrates}
23/10	. Tapping of tree-juices, e.g. caoutchouc, gum	2031/005	. {with mineral wool substrates}
23/12	. . Knives or axes for tapping	2031/006	. {with means for recycling the nutritive solution}
23/14	. . Tapping-spouts; Receptacles for juices	2031/007	. {with superabsorbents}
25/00	Watering gardens, fields, sports grounds, or the like (special apparatus or adaptations for fertilising-liquids A01C 23/00 ; nozzles or outlets, spraying apparatus B05B ; gravity flow, open channel irrigation ditch systems E02B 13/00)	2031/008	. {with wood}
2025/003	. {with an impermeable layer in the ground}	31/02	. Special apparatus therefor (<i>apparatus for cultivation in receptacles or greenhouses in general</i> A01G 9/00 ; self-acting watering devices A01G 27/00)
2025/006	. {Tubular drip irrigation dispensers mounted coaxially within water feeding tubes}	31/04	. . Hydroponic culture on conveyors
25/02	. Watering arrangements located above the soil which make use of perforated pipe-lines or pipe-lines with dispensing fittings, e.g. for drip irrigation (<i>perforated pipes</i> <i>per se</i> B05B 1/20)	31/042	. . . {with containers travelling on a conveyor belt or the like}
25/023	. . {Dispensing fittings for drip irrigation, e.g. drippers}	31/045	. . . {with hanging containers travelling along a rail}
25/026	. . {Machines and methods for fixing the drippers in the pipe}	31/047	. . . {using a rotating drum or the like}
25/06	. Watering arrangements making use of perforated pipe-lines located in the soil (<i>perforated pipes</i> <i>per se</i> B05B 1/20 ; similar arrangements for drainage E02B 11/00)	31/06	. . Hydroponic culture on racks or in stacked containers
25/09	. Watering arrangements making use of movable installations on wheels or the like	33/00	Cultivation of seaweed {or algae}
25/092	. . {movable around a pivot centre}		
25/095	. . {winch-driven (A01G 25/097 takes precedence)}		
25/097	. . {guided or propelled along a water supply line with supply line traversing means}		
25/14	. Hand watering devices, e.g. watering cans		
25/145	. . {with pumps}		
25/16	. Control of watering (<i>controlling of spraying devices</i> B05B)		
25/162	. . {Sequential operation}		
25/165	. . {Cyclic operations, timing systems, timing valves, impulse operations}		
25/167	. . {Control by humidity of the soil itself or of devices simulating soil or of the atmosphere; Soil humidity sensors}		
27/00	Self-acting watering devices, e.g. for flower-pots		
27/001	. {with intermittent watering means}		
27/003	. {Controls for self-acting watering devices}		
27/005	. {Reservoirs connected to flower-pots through conduits}		