

# CPC COOPERATIVE PATENT CLASSIFICATION

**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](#)

<b>1/00</b>	<b>Horticulture; Cultivation of vegetables</b> (labels or name-plates <a href="#">G09F 3/00</a> , <a href="#">G09F 7/00</a> )	<b>3/0408</b>	. . {specially adapted for trellis work, e.g. machines for pruning vine or the like (preliminary pruning vines <a href="#">A01G 17/023</a> ; defoliating machines <a href="#">A01G 17/026</a> )}
1/001	. {Horticultural methods}		
1/002	. {Growing turf}		
1/004	. . {Pre-cultivated sod; Machines for laying it down}	<b>3/0417</b>	. . {Guiding frames for trimming hedges}
1/005	. . {Planted mats, e.g. for covering roofs}	<b>3/0426</b>	. . {Machines for pruning vegetation on embankments and road-sides}
1/007	. . {Flat containers, e.g. for covering roofs}		
<b>2001/008</b>	. {Growing plants or turf in soil-like layered substrates using a foil}	<b>3/0435</b>	. . {Machines specially adapted for shaping plants, e.g. topiaries}
1/02	. Cultivation of asparagus	<b>2003/0443</b>	. . {with height-adjustable platforms}
1/04	. Cultivation of mushrooms (composts or fertilisers for cultivating mushrooms <a href="#">C05</a> )	<b>2003/0452</b>	. . {with platforms for persons}
		<b>2003/0461</b>	. . {with reciprocating knives}
1/042	. . {Growing rooms with treatment apparatus; Cultivation racks or trays}	<b>3/047</b>	. . portable
1/044	. . {Apparatus for treating mushroom compost}	<b>3/0475</b>	. . . {Hedge shears}
1/046	. . {Cultivation bags or bottles}	<b>3/053</b>	. . . motor-driven
1/048	. . {Mycorrhiza}	<b>3/0535</b>	. . . . {with rotatable knives}
1/06	. Grafting (grafting-wax <a href="#">A01N 3/04</a> )	<b>3/06</b>	. Hand-held edge trimmers or shears for lawns {(with a flexible rotating cutter <a href="#">A01D 34/416</a> )}
<b>2001/065</b>	. . {Removing buds}	<b>3/062</b>	. . {Motor-driven edge trimmers}
1/08	. Edging for beds, lawns, or the like, e.g. using tiles	<b>3/065</b>	. . {Hand operated shears for lawns}
1/12	. Tools for cultivating turf; Sweeping apparatus for lawns; Garden rollers (machines for treating meadows or lawns <a href="#">A01B 45/00</a> ; lawn-mowers <a href="#">A01D 34/00</a> )	<b>3/067</b>	. . {Motor-driven shears for lawns}
		<b>3/08</b>	. Other tools for pruning, branching or delimbing standing trees
1/125	. . {Machines for sweeping lawns and for collecting or disintegrating lawn debris}	<b>3/081</b>	. . {Manual cutting tools not otherwise provided for, e.g. pruning hooks}
		<b>3/083</b>	. . {Manual pruning saws (saws in general <a href="#">B27B</a> )}
<b>3/00</b>	<b>Cutting implements specially adapted for horticultural purposes; Delimbing standing trees</b> (felling trees <a href="#">A01G 23/08</a> ; hand-held cutting tools suitable for other use <a href="#">B26B</a> )	<b>3/085</b>	. . {Motor-driven saws for pruning or branching (saws in general <a href="#">B27B</a> )}
3/002	. {for comminuting plant waste (comminuting by cutting implements in general <a href="#">B02C 18/00</a> )}	<b>3/086</b>	. . . {Chain saws (chain saws in general <a href="#">B27B 17/00</a> )}
<b>2003/005</b>	. {Removing buds}	<b>3/088</b>	. . . {Circular saws (circular saws in general <a href="#">B27B 5/00</a> )}
<b>2003/007</b>	. {Using spray}	<b>5/00</b>	<b>Floral handling</b>
3/02	. Secateurs; Flower or fruit shears	<b>2005/005</b>	. {Thorn removers}
3/021	. . {characterized by the arrangement of pivots}	<b>5/02</b>	. Apparatus for binding bouquets or wreaths
<b>2003/023</b>	. . {with means for grasping the cut object}	<b>5/04</b>	. Mountings for wreaths, or the like; Racks or holders for flowers
3/025	. . having elongated or extended handles	<b>5/06</b>	. Devices for preserving flowers (chemical substances <a href="#">A01N 3/02</a> ; flower vases <a href="#">A47G 7/06</a> )
3/0251	. . . {Loppers, i.e. branch cutters with two handles (hedge shears <a href="#">A01G 3/0475</a> )}		
3/0255	. . . {Tree pruners, i.e. pruning shears carried at the end of a pole}	<b>7/00</b>	<b>Botany in general</b> (cultivation without soil <a href="#">A01G 31/00</a> )
3/033	. . having motor-driven blades	<b>7/02</b>	. Treatment of plants with carbon dioxide (greenhouses therefor <a href="#">A01G 9/18</a> )
3/0335	. . . {having elongated or extended handles}	<b>7/04</b>	. Electric or magnetic treatment of plants for promoting growth
3/037	. . . the driving means being an electric motor		
3/04	. Apparatus for trimming hedges, e.g. hedge shears	<b>7/045</b>	. . {with electric lighting}

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	9/12	• Supports for plants; Trellis for strawberries or the like ( <a href="#">trellis-work for vines A01G 17/06</a> ); <a href="#">stays for trees, props for vines A01G 17/14</a> )
<b>9/00</b>	<b>Cultivation of plants in receptacles, forcing-frames, or greenhouses</b> (cultivation without soil <a href="#">A01G 31/00</a> {; <a href="#">turfing of roofs E04D 11/002</a> })	9/122	• • {Stakes}
2009/003	• {Plant pots consisting of two halves, allowing easy removal of the plant}	9/124	• • • {Means for holding stakes upright in, on, or beside pots}
9/006	• {Labels or label holders for flower pots}	9/126	• • {Wirespool supports}
9/02	• Receptacles, e.g. flower-pots or boxes ( <a href="#">hanging flower baskets, holders or containers for flower-pots A47G 7/00</a> ); Glasses for cultivating flowers	9/128	• • {Fixing of plants to supports, e.g. by means of clips}
9/021	• • {Pots formed in one piece; Materials used therefor}	9/14	• Greenhouses ( <a href="#">cloches A01G 13/04</a> ; { <a href="#">glazing bars, glazing clips therefor E04D 3/06</a> })
9/022	• • {Pots for vertical horticulture}	9/1407	• • {of flexible synthetic material}
9/023	• • • {Multi-tiered planters}	9/1415	• • • {with double or multiple walls}
9/024	• • • {Hanging flower pots and baskets}	9/1423	• • {Greenhouse bench structures}
9/025	• • • {Containers and elements for greening walls ( <a href="#">for covering roofs A01G 1/007</a> )}	9/143	• • {Equipment for handling produce in greenhouses}
9/026	• • {Foldable pots}	9/1438	• • {Covering materials therefor; Materials for protective coverings used for soil and plants, e.g. films, canopies, tunnels or cloches}
9/027	• • {Pots connected in horizontal rows}	2009/1446	• • • {with perforations}
9/028	• • {Multi-compartmented pots}	2009/1453	• • • {containing textile products}
9/04	• Flower-pot saucers	2009/1461	• • • {containing woven structures}
9/042	• • {Combinations of a saucer and a flower pot attached together}	9/1469	• • {with double or multiple walls}
9/045	• • {Trays for receiving multiple pots}	9/1476	• • {Greenhouse gutters ( <a href="#">gutters in general E04D 13/064</a> )}
9/047	• • {Channels or gutters, e.g. for hydroponics}	2009/1484	• • {Glazing apparatus}
9/06	• Devices for cleaning flower-pots	2009/1492	• • {Cleaning apparatus}
9/08	• Devices for filling-up flower-pots {or pots for seedlings}; Devices for setting plants {or seeds} in pots	9/16	• • Dismountable or portable greenhouses; {Greenhouses with sliding roofs}
9/081	• • {Devices for filling-up pots}	9/18	• Greenhouses for treating plants with carbon dioxide or the like
9/083	• • {Devices for setting plants in pots}	9/20	• Forcing-frames; Lights
9/085	• • {Devices for setting seeds in pots}	9/22	• Shades or blinds for greenhouses, or the like ( <a href="#">canopies A01G 13/0206</a> )
9/086	• • {Devices for repotting}	9/222	• • {Lamellar or like blinds ( <a href="#">in general E06B 9/26</a> )}
9/088	• • {Handling or transferring pots}	9/225	• • {Inflatable structures}
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	9/227	• • {rolled up during non-use ( <a href="#">in general E06B 9/08</a> )}
9/1006	• • {Tools, machines and methods for forming soil blocks or compressed pots, e.g. from peat}	9/24	• Devices {or systems} for heating, ventilating, regulating temperature, or watering, in greenhouses, forcing-frames, or the like
9/1013	• • {soil blocks or compressed pots}	9/241	• • {Arrangement of opening or closing systems for windows and ventilation panels}
9/102	• • {Planting receptacles specially adapted for remaining in the soil after planting}	9/242	• • • {for greenhouses with flexible coverings}
9/1026	• • {Seed or shoot receptacles}	9/243	• • {Collecting solar energy ( <a href="#">in general F24J</a> )}
9/1033	• • {Sterile receptacles, e.g. for tissue culture}	9/245	• • {Conduits for heating by means of liquids, e.g. used as frame members or for soil heating}
9/104	• • {Units comprising two or more connected receptacles}	9/246	• • {Air-conditioning systems}
2009/1046	• • • {containing mineral wool}	9/247	• • {Watering arrangements}
2009/1053	• • • {containing superabsorbents}	2009/248	• • {with distillation of water}
2009/106	• • • {containing wood}	9/26	• • Electric devices
9/1066	• • {Grids for supporting several receptacles}	<b>11/00</b>	<b>Sterilising soil by steam</b> (soil-conditioning or soil-stabilising materials <a href="#">C09K 17/00</a> )
9/1073	• • {Receptacles specially adapted for air layering}	<b>13/00</b>	<b>Protecting plants</b> (apparatus for the destruction of vermin or noxious animals <a href="#">A01M</a> ; use of chemical materials therefor, composition of protective materials, e.g. grafting wax, <a href="#">A01N</a> ; {coverings around trees forming part of a road <a href="#">E01C 9/005</a> })
9/108	• • {Handling or transporting of soil blocks or seedlings}	2013/002	• {Wind breakers}
9/1086	• • {Composition of plant substrate bodies ( <a href="#">plant growth regulators A01N</a> ; <a href="#">fertilizers C05</a> ; <a href="#">soil conditioning or soil stabilizing materials C09K 17/00</a> )}	2013/004	• {Liquid mulch}
2009/1093	• • {for dwarf plants}	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 { <a href="#">covering materials A01G 9/1438</a> }	17/023	. . {Machines for priming and/or preliminary pruning of vines, i.e. removing shoots and/or buds ( <a href="#">trimming apparatus for trellis work A01G 3/0408</a> )}
13/0206	. . {Canopies, i.e. devices providing a roof above the plants}	17/026	. . {Machines for removing leaves of vines}
13/0212	. . . {for individual plants, e.g. for plants in pots}	17/04	. Supports for hops, vines, or trees
2013/0218	. . {for removing}	17/06	. . Trellis-work
13/0225	. . {Wind breakers, i.e. devices providing lateral protection of the plants}	2017/065	. . . {Trellis-work for supporting vines having wire-tensioning devices}
13/0231	. . {Tunnels, i.e. protective full coverings for rows of plants ( <a href="#">dismountable or portable greenhouses A01G 9/16</a> )}	17/08	. . . Tools for attaching hops, vines, or boughs to trellis-work; Tying devices
13/0237	. . {Devices for protecting a specific part of a plant, e.g. roots, trunk or fruits}	17/085	. . . . {Tying instruments; Espalier machines}
13/0243	. . {Protective shelters for young plants, e.g. tubular sleeves}	17/10	. . Holders for boughs or branches
13/025	. . {Devices for laying-out or removing plant coverings ( <a href="#">for ground coverings A01G 13/0287</a> )}	17/12	. . Tree-bands
13/0256	. . {Ground coverings}	17/14	. . Props; Stays
13/0262	. . . {Mulches, i.e. covering material not-pre-formed in mats or sheets ( <a href="#">A01G 13/0281 takes precedence</a> ; composition of mulches <a href="#">C09K 17/52</a> )}	17/16	. . . Devices for driving-in or pulling-out props
13/0268	. . . {Mats or sheets, e.g. nets or fabrics ( <a href="#">A01G 13/0281 takes precedence</a> )}	17/18	. Means for filling-up wounds in trees
13/0275	. . . . {Films}	<b>21/00</b>	<b>{Devices for hanging-up harvested fruit}</b>
13/0281	. . . {Protective ground coverings for individual plants, e.g. for plants in pots ( <a href="#">coverings around trees forming part of a road E01C 9/005</a> )}	<b>23/00</b>	<b>Forestry</b>
13/0287	. . . {Devices for laying-out or removing ground coverings}	23/003	. {Collecting felled trees}
13/0293	. . . {Anchoring means for ground coverings}	23/006	. . {Log skidders}
13/04	. . Cloches {, i.e. protective full coverings for individual plants ( <a href="#">dismountable or portable greenhouses A01G 9/16</a> ; individual canopies <a href="#">A01G 13/0212</a> )}	23/02	. Transplanting, uprooting, felling or delimbing trees ( <a href="#">delimbing standing trees A01G 3/00</a> )
13/043	. . . {with flexible coverings}	<b>NOTE</b>	
2013/046	. . . {foldable}		Tree feeding devices are covered by group <a href="#">B27B 25/00</a>
13/06	. Devices for generating heat, smoke, or fog in gardens, orchards, or forests, e.g. to prevent damage by frost ({ <a href="#">bee-smokers A01K 55/00</a> ; fumigators for destroying insects <a href="#">A01M 13/006</a> ; for destroying rats <a href="#">A01M 17/004</a> }; chemical aspects of generating smoke or mist <a href="#">C06D 3/00</a> ; heating devices in general, <a href="#">see the appropriate classes, e.g. F24</a> )}	23/04	. . Transplanting trees; Devices for grasping the root ball, e.g. stump forceps; Wrappings or packages for transporting trees
13/065	. . {Frost protection by generating fog or by spraying}	23/043	. . . {Transplanting devices for grasping, undercutting or transporting the root ball ( <a href="#">A01G 23/046 takes precedence</a> )}
13/08	. Mechanical apparatus for circulating the air	23/046	. . . {Transplanting devices using elements to be driven into the ground for making a container around the root ball}
13/10	. Devices for affording protection against animals, birds, or other pests ({ <a href="#">protective shelters for young plants A01G 13/0243</a> }; traps <a href="#">A01M 23/00</a> {; scaring or repelling devices <a href="#">A01M 29/00</a> }; pesticides <a href="#">A01N</a> )}	23/06	. . Uprooting or pulling up trees; Extracting or eliminating stumps
13/105	. . {Protective devices against slugs, snails, crawling insects or other climbing animals}	23/062	. . . {Pulling up trees or stumps}
<b>15/00</b>	<b>Devices or methods for influencing weather conditions (<a href="#">dispersing fog in general E01H 13/00</a>)</b>	23/065	. . . . {in a substantially vertical plane}
<b>16/00</b>	<b>Cultivation of rice (<a href="#">A01G 9/00 takes precedence</a>)</b>	23/067	. . . {by comminuting the tree stumps}
<b>17/00</b>	<b>Cultivation of hops, vines, fruit trees, or like trees</b>	23/08	. . Felling trees ( <a href="#">axes B26B 23/00</a> ; saws, sawing machines <a href="#">B27B</a> )
17/005	. {Cultivation methods}	23/081	. . . Feller-bunchers, i.e. with bunching by felling head ( <a href="#">A01G 23/083 takes precedence</a> )
17/02	. Cultivation of hops or vines	23/083	. . . Feller-delimbers
		23/085	. . . . having the shearing head mounted on a first boom and the delimbing head mounted on a second boom
		23/087	. . . Shearing apparatus or the like specially adapted for felling trees ( <a href="#">A01G 23/081</a> , <a href="#">A01G 23/083</a> , <a href="#">A01G 23/093 take precedence</a> )
		23/089	. . . . having two or more shears
		23/09	. . . . of the percussion type
		23/091	. . . Sawing apparatus specially adapted for felling trees ( <a href="#">A01G 23/081</a> , <a href="#">A01G 23/083</a> , <a href="#">A01G 23/093 take precedence</a> )
		23/093	. . . Combinations of shearing, sawing or milling apparatus specially adapted for felling trees
		23/095	. . Delimbers ( <a href="#">A01G 23/083 takes precedence</a> ; manufacture of wood shavings, chips, powder, or the like, <a href="#">per se B27L 11/00</a> )

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}
<b>25/00</b>	<b>Watering gardens, fields, sports grounds, or the like</b> (special apparatus or adaptations for fertilising-liquids <a href="#">A01C 23/00</a> ; nozzles or outlets, spraying apparatus <a href="#">B05B</a> ; gravity flow, open channel irrigation ditch systems <a href="#">E02B 13/00</a> )	2031/008	. {with wood}
2025/003	. {with an impermeable layer in the ground}	31/02	. Special apparatus therefor (apparatus for cultivation in receptacles or greenhouses in general <a href="#">A01G 9/00</a> ; self-acting watering devices <a href="#">A01G 27/00</a> )
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 (perforated pipes <a href="#">per se B05B 1/20</a> )	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 (perforated pipes <a href="#">per se B05B 1/20</a> ; similar arrangements for drainage <a href="#">E02B 11/00</a> )	31/06	. . Hydroponic culture on racks or in stacked containers
25/09	. Watering arrangements making use of movable installations on wheels or the like	<b>33/00</b>	<b>Cultivation of seaweed {or algae}</b>
25/092	. . {movable around a pivot centre}		
25/095	. . {winch-driven ( <a href="#">A01G 25/097</a> 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 (controlling of spraying devices <a href="#">B05B</a> )		
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}		
<b>27/00</b>	<b>Self-acting watering devices, e.g. for flower-pots</b>		
27/001	. {with intermittent watering means}		
27/003	. {Controls for self-acting watering devices}		
27/005	. {Reservoirs connected to flower-pots through conduits}		
27/006	. {Reservoirs, separate from plant-pots, dispensing directly into rooting medium}		
27/008	. {Component parts, e.g. dispensing fittings, level indicators}		
27/02	. having a water reservoir, the main part thereof being located wholly around or directly beside the growth substrate ( <a href="#">A01G 27/06</a> takes precedence)		
27/04	. using wicks or the like		
27/06	. . having a water reservoir, the main part thereof being located wholly around or directly beside the growth substrate		
<b>29/00</b>	<b>Root feeders; Injecting fertilisers into the roots</b>		
<b>31/00</b>	<b>Hydroponics; Cultivation without soil</b> ( <a href="#">A01G 33/00</a> takes precedence)		