

## SECTION A — HUMAN NECESSITIES

## 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)

**Subclass index**

CULTIVATION IN GENERAL.....	1/00, 3/00, 7/00, 9/00, 16/00, 17/00
HYDROPONICS, CULTIVATION WITHOUT SOIL.....	31/00
CULTIVATION OF SEAWEED.....	33/00
PROTECTING PLANTS.....	11/00, 13/00, 15/00
PICKING OR HANDLING FLOWERS, HANDLING FRUIT.....	3/00, 5/00
FORESTRY.....	23/00
WATERING.....	25/00, 27/00, 29/00

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|--|--|---|
| <b>1/00 Horticulture; Cultivation of vegetables</b> (labels or name-plates G09F 3/00, G09F 7/00)   | 7/02   | • Treatment of plants with carbon dioxide (greenhouses therefor A01G 9/18)  |
| 1/02 • Cultivation of asparagus  | 7/04   | • Electric or magnetic treatment of plants for promoting growth   |
| 1/04 • Cultivation of mushrooms (composts or fertilisers for cultivating mushrooms C05)  | 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          |
| 1/06 • Grafting (grafting-wax A01N 3/04)   | <b>9/00 Cultivation of flowers, vegetables or rice in receptacles, forcing-frames or greenhouses</b> (cultivation without soil A01G 31/00)   |   |
| 1/08 • Edging for beds, lawns, or the like, e.g. using tiles   | 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 |
| 1/12 • Tools for cultivating turf; Sweeping apparatus for lawns; Gardens rollers (machines for treating meadows or lawns A01B 45/00; lawn-mowers A01D 34/00)   | 9/04   | • Flower-pot saucers  |
| <b>3/00 Cutting implements specially adapted for horticultural purposes; Delimiting standing trees</b> (felling trees A01G 23/08; mowers having rotating flexible line cutters A01D 34/416; special adaptation of mowers for carrying by the operator A01D 34/90; hand-held cutting tools suitable for other use B26B) [5] | 9/06   | • Devices for cleaning flower-pots  |
| 3/02 • Secateurs; Flower or fruit shears   | 9/08   | • Devices for filling-up flower-pots; Devices for setting plants in pots  |
| 3/025 • • having elongated or extended handles [6]   | 9/10   | • Pots for seedlings; Soil-blocks for seedlings; Means for forming soil-blocks  |
| 3/033 • • having motor-driven blades [6]   | 9/12   | • Supports for plants; Trellis for strawberries or the like (stays for trees, props for vines A01G 17/14)   |
| 3/037 • • • the driving means being an electric motor [6]  | 9/14   | • Greenhouses (cloches A01G 13/04)  |
| 3/04 • Apparatus for trimming hedges, e.g. hedge shears [6]  | 9/16   | • • Dismountable or portable greenhouses  |
| 3/047 • • portable [6]   | 9/18   | • Greenhouses for treating plants with carbon dioxide or the like   |
| 3/053 • • • motor-driven [6]   | 9/20   | • Forcing-frames; Lights  |
| 3/06 • Hand-held edge trimmers or shears for lawns (mowers combined with lawn edgers A01D 43/16)   | 9/22   | • Shades or blinds for greenhouses, or the like   |
| 3/08 • Other tools for pruning, branching or delimiting standing trees [2, 5]  | 9/24   | • Devices for heating, ventilating, regulating temperature, or watering, in greenhouses, forcing-frames, or the like                                |
| <b>5/00 Floral handling</b>  | 9/26   | • • Electric devices  |
| 5/02 • Apparatus for binding bouquets or wreaths   | <b>11/00 Sterilising soil by steam</b> (soil-conditioning or soil-stabilising materials C09K 17/00)  |   |
| 5/04 • Mountings for wreaths, or the like; Racks or holders for flowers  | <b>13/00 Protecting plants</b> (apparatus for the destruction of vermin or noxious animals A01M; use of chemical materials therefor, composition of protective materials, e.g. grafting wax, A01N) |   |
| 5/06 • Devices for preserving flowers (chemical substances A01N 3/02; flower vases A47G 7/06)  |  |   |
| <b>7/00 Botany in general</b> (cultivation without soil A01G 31/00)  |  |   |

## A01G

- 13/02 • Protective coverings for plants; Devices for laying-out coverings
- 13/04 • • Cloches
- 13/06 • Devices for generating heat, smoke, or fog in gardens, orchards, or forests, e.g. to prevent damage by frost (chemical aspects of generating smoke or mist C06D 3/00; heating devices in general, see the appropriate classes, e.g. F24)
- 13/08 • Mechanical apparatus for circulating the air
- 13/10 • Devices for affording protection against animals, birds, or other pests (A01M 29/00 takes precedence; traps A01M 23/00; pesticides A01N) [2]
- 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) [3]
- 17/00 Cultivation of hops, vines, fruit trees, or like trees**
  - 17/02 • Cultivation of hops or vines
  - 17/04 • Supports for hops, vines, or trees
  - 17/06 • • Trellis-work
  - 17/08 • • • Tools for attaching hops, vines, or boughs to trellis-work; Tying devices
  - 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
- 23/00 Forestry**
  - 23/02 • Transplanting, uprooting, felling or delimiting trees (delimiting standing trees A01G 3/00) [5]  
**Note(s)**  
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
  - 23/06 • • Uprooting or pulling up trees; Extracting or eliminating stumps [5]
  - 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) [5]
  - 23/083 • • • Feller-delimiters [5]
  - 23/085 • • • • having the shearing head mounted on a first boom and the delimiting head mounted on a second boom [5]
  - 23/087 • • • Shearing apparatus or the like specially adapted for felling trees (A01G 23/081, A01G 23/083, A01G 23/093 take precedence) [5]
  - 23/089 • • • • having two or more shears [5]
  - 23/09 • • • • of the percussion type [5]
  - 23/091 • • • Sawing apparatus specially adapted for felling trees (A01G 23/081, A01G 23/083, A01G 23/093 take precedence) [5]
  - 23/093 • • • Combinations of shearing, sawing or milling apparatus specially adapted for felling trees [5]
  - 23/095 • • Delimiters (A01G 23/083 takes precedence; manufacture of wood shavings, chips, powder, or the like B27L 11/00) [5]
  - 23/097 • • • having a fixed delimiting head [5]
  - 23/099 • • Auxiliary devices, e.g. felling wedges [5]
  - 23/10 • Tapping of tree-juices, e.g. caoutchouc, gum
  - 23/12 • • Knives or axes for tapping
  - 23/14 • • Tapping-spouts; Receptacles for juices
- 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)
  - 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 per se B05B 1/20) [4]
  - 25/06 • Watering arrangements making use of perforated pipe-lines located in the soil (perforated pipes per se B05B 1/20; similar arrangements for drainage E02B 11/00)
  - 25/09 • Watering arrangements making use of movable installations on wheels or the like [2]
  - 25/14 • Hand watering devices, e.g. watering cans
  - 25/16 • Control of watering (controlling spraying devices B05B) [2]
- 27/00 Self-acting watering devices, e.g. for flower-pots**
  - 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) [6]
  - 27/04 • using wicks or the like [6]
  - 27/06 • • having a water reservoir, the main part thereof being located wholly around or directly beside the growth substrate [6]
- 29/00 Root feeders; Injecting fertilisers into the roots**
- 31/00 Hydroponics; Cultivation without soil** (A01G 33/00 takes precedence) [2]
  - 31/02 • Special apparatus therefor (apparatus for cultivation in receptacles or greenhouses in general A01G 9/00; self-acting watering devices A01G 27/00)
  - 31/04 • • Hydroponic culture on conveyers [6]
  - 31/06 • • Hydroponic culture on racks or in stacked containers [6]
- 33/00 Cultivation of seaweed** [2]
  - 33/02 • of laver [2]