CPC  COOPERATIVE PATENT CLASSIFICATION

A  HUMAN NECESSITIES

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 A01C 5/00; soil working for engineering purposes E01, E02, E21; { measuring areas for agricultural purposes G01B})

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:
   - A01B 69/04 covered by A01B 69/008
   - A01B 69/06 covered by A01B 69/005
   - A01B 69/08 covered by A01B 69/006

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.

<table>
<thead>
<tr>
<th>1/00</th>
<th>Hand tools (edge trimmers for lawns A01G 3/06; machines for working soil A01B 35/00; making hand tools B21D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/02</td>
<td>. Spades; Shovels { (hand-operated dredgers E02F) }</td>
</tr>
<tr>
<td>1/022</td>
<td>. { Collapsible; extensible; combinations with other tools }</td>
</tr>
<tr>
<td>1/024</td>
<td>. { Foot protectors attached to the blade }</td>
</tr>
<tr>
<td>1/026</td>
<td>. { with auxiliary handles for facilitating lifting }</td>
</tr>
<tr>
<td>1/028</td>
<td>. { with ground abutment shoes or earth anchors for facilitating lifting }</td>
</tr>
<tr>
<td>1/04</td>
<td>. with teeth</td>
</tr>
<tr>
<td>1/06</td>
<td>. Hoes; Hand cultivators { (rakes A01D 7/00; forks A01D 9/00; picks B25D) }</td>
</tr>
<tr>
<td>1/065</td>
<td>. { powered }</td>
</tr>
<tr>
<td>1/08</td>
<td>. with a single blade</td>
</tr>
<tr>
<td>1/10</td>
<td>. with two or more blades</td>
</tr>
<tr>
<td>1/12</td>
<td>. with blades provided with teeth</td>
</tr>
<tr>
<td>1/14</td>
<td>. with teeth only</td>
</tr>
<tr>
<td>1/16</td>
<td>. Tools for uprooting weeds</td>
</tr>
<tr>
<td>1/165</td>
<td>. { adapted for extracting a substantially cylindrical plug out of the earth }</td>
</tr>
<tr>
<td>1/18</td>
<td>. Tong-like tools</td>
</tr>
<tr>
<td>1/20</td>
<td>. Combinations of different kinds of hand tools</td>
</tr>
<tr>
<td>1/22</td>
<td>. Attaching the blades or the like to handles (handles for tools, or their attachment, in general B25G); Interchangeable or adjustable blades</td>
</tr>
<tr>
<td>1/222</td>
<td>. { Adjustable blades }</td>
</tr>
<tr>
<td>1/225</td>
<td>. { around a substantially horizontal axis }</td>
</tr>
<tr>
<td>1/227</td>
<td>. { Interchangeable blades }</td>
</tr>
<tr>
<td>1/24</td>
<td>. for treating meadows or lawns</td>
</tr>
<tr>
<td>1/243</td>
<td>. { for aerating }</td>
</tr>
<tr>
<td>1/246</td>
<td>. { for cutting sods or turves }</td>
</tr>
</tbody>
</table>

| 3/00 | Ploughs with fixed plough-shares |
| 3/02 | . Man-driven ploughs |
| 3/04 | . Animal-drawn ploughs |
| 3/06 | . without alternating possibility, i.e. incapable of making an adjacent furrow on return journey { i.e. conventional ploughing } |
| 3/08 | . Swing ploughs |
| 3/10 | . Trussed-beam ploughs; Single-wheel ploughs |
| 3/12 | . Two-wheel beam ploughs |
| 3/14 | . Frame ploughs |
| 3/16 | . Alternating ploughs, i.e. capable of making an adjacent furrow on return journey |
| 3/18 | . Turn-wrest ploughs |
| 3/20 | . Balance ploughs |
| 3/22 | . with parallel plough units used alternately |
| 3/24 | . Tractor-drawn ploughs (A01B 3/04 takes precedence) |
| 3/26 | . without alternating possibility |
| 3/28 | . Alternating ploughs |
| 3/30 | . Turn-wrest ploughs |
| 3/32 | . Balance ploughs |
| 3/34 | . with parallel plough units used alternately |
| 3/36 | . Ploughs mounted on tractors |
| 3/38 | . without alternating possibility |
| 3/40 | . Alternating ploughs |
| 3/42 | . Turn-wrest ploughs |
| 3/421| . with a headstock frame made in one piece |
| 3/4215| . . . . . . { the headstock being provided with two or more hydraulic cylinders } |
| 3/426| . . . . with a headstock frame made of two or more parts |
| 3/44 | . with parallel plough units used alternately |
| 3/46 | . Ploughs supported partly by tractor and partly by their own wheels |
3/462 . . . [Alternating ploughs with frame rotating about a vertical axis]
3/464 . . . [Alternating ploughs with frame rotating about a horizontal axis, e.g. turn-wrest ploughs]
3/466 . . . [the frame comprising an articulated beam]
3/468 . . . [the plough wheels being actively driven]
3/50 . . . Self-propelled ploughs
3/52 . . . with three or more wheels, or endless tracks
3/54 . . . without alternating possibility
3/56 . . . Alternating ploughs [[: Balance ploughs]]
3/58 . . . with two wheels
3/60 . . . Alternating ploughs
3/62 . . . . Balance ploughs
3/64 . . . Cable ploughs; Indicating or signalling devices for cable plough systems {[vehicles towed by cable B60D]}
3/66 . . . with motor-driven winding apparatus mounted on the plough
3/68 . . . Cable systems with one or two engines [[: e.g. electrically-driven or with diesel generating set]
3/70 . . . Systems with one engine for working uphill
3/72 . . . Means for anchoring the cables
3/74 . . . Use of electric power for propelling ploughs {[for rotary cultivators or the like (electric current collectors B60L 5/00)]}

5/00 Ploughs with rolling non-driven tools, e.g. discs (with rotary driven tools A01B 9/00)
5/02 . . . drawn by animals
5/04 . . . drawn by tractors
5/06 . . . without alternating possibility [[: e.g. with rotary counters provided with scrapers]]
5/08 . . . Alternating ploughs
5/10 . . . mounted or partly-mounted on tractors
5/12 . . . without alternating possibility
5/14 . . . Alternating ploughs
5/16 . . . Self-propelled disc or like ploughs

7/00 Disc-like soil-working implements usable either as ploughs or as harrows, or the like

9/00 Ploughs with rotary driven tools (tiling implements with rotary driven tools A01B 33/00)
9/003 . . . [with tools on horizontal shaft transverse to direction of travel]
9/006 . . . [with tools on horizontal shaft parallel to direction of travel]

11/00 Ploughs with oscillating, digging or piercing tools (driven or not)

13/00 Ploughs or like machines for special purposes (for drainage E02B 11/02) [[: Ditch diggers, trench ploughs, forestry ploughs, ploughs for land or marsh reclamation (machines for aerating meadows A01B 45/02; making furrows A01C 5/00; dredging machines in general E02F)]
13/02 . . . for making or working ridges, e.g. with symmetrically arranged mouldboards [[: e.g. ridging plough]
13/025 . . . [with passively driven rotating disc-like elements for forming the ridge]
13/04 . . . for working in vineyards, orchards, or the like
13/06 . . . Arrangements for preventing damage to the vines, or the like [[: e.g. hydraulic (machines specially adapted for working in vineyards A01B 39/16)]

13/08 . . . for working subsoil
13/10 . . . Special implements for lifting subsoil layers
13/12 . . . Means for distributing the layers on the surface
13/14 . . . for working soil in two or more layers
13/16 . . . Machines for combating erosion, e.g. basin-diggers, furrow-dammers

15/00 Elements, tools, or details of ploughs
15/02 . . . Plough blades; Fixing the blades
15/025 . . . [specially adapted for working subsoil]
15/04 . . . Shares (making ploughshares by rolling B21H)
15/06 . . . Interchangeable or adjustable shares
15/08 . . . Mouldboards
15/10 . . . Interchangeable or adjustable mouldboards
15/12 . . . Beams; Handles (handles for tools or their attachment in general B25G)
15/125 . . . [Articulated beams]
15/14 . . . Frames (means or arrangements to facilitate transportation A01B 73/00)
15/145 . . . [the plough blades being connected to the plough beam for unisono adjustment of the furrow width]
15/16 . . . Discs (bearings therefor A01B 71/04); Scrapers for cleaning discs; Sharpening attachments (sharpening in general B24)
15/18 . . . Coulters
15/20 . . . Special adjusting means for tools of ploughs drawn by, or mounted on tractors working on hillsides or slopes

17/00 Ploughs with special additional arrangements, e.g. means for putting manure under the soil, clod-crushers (A01B 49/00 takes precedence); [Means for breaking the subsoil]
17/002 . . . [Means for putting manure, debris, straw or the like under the soil (to plough-in weeds A01B 39/18)]
17/004 . . . [Clod-crushers]
17/006 . . . [with driven tools]
17/008 . . . [rotating about a vertical or steeply inclined axis]

Harrow
19/00 Harrows with non-rotating tools (harrows for working in vineyards A01B 39/16)
19/02 . . . with tools rigidly or elastically attached to a tool-frame
19/04 . . . with two or more tool-frames
19/06 . . . with tools or tool-frames moved to-and-fro mechanically
19/08 . . . with link network supporting tooth-like tools
19/10 . . . Lifting or cleaning apparatus

21/00 Harrows with rotary non-driven tools (tiling implements with rotary driven tools A01B 33/00)
21/02 . . . with tooth-like tools
21/04 . . . on horizontally-arranged axes
21/06 . . . on vertically-arranged axes
21/08 . . . with disc-like tools
21/083 . . . [of the type comprising four individual disk groups each pivotally connected at fixed locations to a substantially rigid frame]
21/086 . . . [of the type in which the disc-like tools are individually mounted]

23/00 Elements, tools, or details of harrows
Harrors

Other machines for working soil

27/00 Clod-crushers
27/005 . (comprising roller-type tools moving on the ground)

29/00 Rollers (rollers for roads E01C)
29/02 . with smooth surface
29/04 . with non-smooth surface formed of rotatably-mounted rings or discs or with projections or ribs on the roller body; Land packers

29/041 . (of "Cambridge"-type, i.e. the soil-pressing rings being stacked on a shaft)
29/043 . . (Tire-packers)
29/045 . . (the soil-pressing body being a drum)
29/046 . . (the soil-pressing body being a helical coil)
29/048 . . (Bar cage rollers)
29/06 . with special additional arrangements

31/00 Drags (graders for field cultivators (graders in general E02F))

33/00 Tilling implements with rotary driven tools (e.g. in combination with fertiliser distributors or seeders, with grubbing chains, with sloping axles, with driven discs)
33/02 . with tools on horizontal shaft transverse to direction of travel
33/021 . . (with rigid tools)
33/022 . . (with helicoidal tools)
33/024 . . (with disk-like tools)
33/025 . . (with spring tools, i.e. resiliently- or flexibly-attached rigid tools)
33/027 . . (Operator supported tools, e.g. using a harness for supporting the tool or power unit)
33/028 . . (of the walk-behind type (walk-type tractors B62D 51/04))
33/04 . with tools on horizontal shaft parallel to direction of travel
33/06 . with tools on vertical or steeply-inclined shaft
33/065 . . (comprising a plurality of rotors carried by an elongate, substantially closed transmission casing, transversely connectable to a tractor)
33/08 . Tools; Details, e.g. adaptations of transmissions or gearings
33/082 . . (Transmissions; Gearings; Power distribution)
33/085 . . (specially adapted for tools on a vertical shaft)
33/087 . . (Lifting devices; Depth regulation devices; Mountings)

33/10 . . Structural or functional features of the tools (Theoretical aspects of the cutting action)
33/103 . . . (the rotating shaft being oriented horizontally)
33/106 . . . (the rotating shaft being oriented vertically or steeply inclined)
33/12 . . (Arrangement of the tools; Screening of the tools)
33/125 . . . (screening of tools rotating about a vertical shaft)
33/14 . . . (Attaching the tools to the rotating shaft, e.g. resiliently {or flexibly}-attached tools)
33/142 . . . (the rotating shaft being oriented horizontally)
33/144 . . . . (with spring tools or resiliently-attached rigid tools)
33/146 . . . . (the rotating shaft being oriented vertically or steeply inclined)
33/148 . . . . . (with spring tools or resiliently-attached rigid tools)
33/16 . . with special additional arrangements (A01B 49/00 takes precedence; for sowing or fertilising A01B 49/06)

35/00 Other machines for working soil (not specially adapted for working soil on which crops are growing) (A01B 37/00, A01B 39/00, A01B 77/00 take precedence; for hand tools A01B 1/00))
35/02 . with non-rotating tools
35/04 . . drawn by animal or tractor {or man-power}
35/06 . . . with spring tools {or with resiliently- or flexibly-attached rigid tools}
35/08 . . . with rigid tools
35/10 . . mounted on tractors
35/12 . . . with spring tools {or with resiliently-or flexibly-attached rigid tools}
35/14 . . . with rigid tools
35/16 . . with rotating or circulating non-propelled tools
35/18 . . with both rotating and non-rotating tools
35/20 . Tools; Details
35/22 . . Non-rotating tools; [Resilient or flexible mounting of rigid tools]
35/225 . . . [the tools being adapted to allow the chisel point to be easily fitted or removed from the shank]
35/24 . . . Spring tools
35/26 . . . Rigid tools
35/28 . . Rotating tools; Mounting rotating tools
35/30 . . Undercarriages (A01B 23/04 takes precedence)
35/32 . . with special additional arrangements

37/00 Devices for loosening soil compacted by wheels or the like

39/00 Other machines specially adapted for working soil on which crops are growing
39/02 . . with non-rotating tools
39/04 . . drawn by animal or tractor
39/06 . . Self-propelled machines
39/08 . . with rotating tools {such as weeding machines}
39/085 . . . (the rotating tools being actively driven)
39/10 . . with oscillating tools {driven or not}
39/12 . . for special purposes {e.g. for special culture}
39/14 . . for working ridges {e.g. for rows of plants and/ or furrows}
Other machines for working soil

A01B

39/16 . . . for working in vineyards, orchards, or the like

39/163 . . . [comprising rotating tools]

39/166 . . . . [actively driven]

39/18 . . . for weeding

39/19 . . . Rod weeder's, i.e. weeder with rotary rods propelled beneath the soil surface

39/20 . . . . . . Tools; Details

39/22 . . . . . . Tools; Mounting tools

39/24 . . . . . . Undercarriages (A01B 23/04 takes precedence)

39/26 . . . . . . Arrangements for protecting plants [e.g. fenders]

39/28 . . . . . . with special additional arrangements (A01B 49/00 takes precedence)

41/00 Thinning machines

41/02 . . . . . with oscillating tools

41/04 . . . . . with rotating tools

41/06 . . . . . with electric, e.g. photo-electric control of thinning operations

43/00 Gatherers for removing stones, undesirable roots or the like from the soil, e.g. tractor-drawn rakes (for harvesting root crops A01D)

43/005 . . . Windrower-type machines

45/00 Machines for treating meadows or lawns, [e.g. for sports grounds]

45/02 . . . . for aerating

45/023 . . . . [Perforators comprising spiking tools actively driven in a reciprocating movement through a crankshaft or eccentric mechanism]

45/026 . . . . [Scarifiers comprising a knife reel actively driven around a substantially horizontal shaft]

47/00 Soil-working with electric potential applied between tools and soil

49/00 Combined machines (auxiliary devices attached to machines of a different kind, e.g. harrows attached to ploughs, see the relevant groups for the machines)

49/02 . . . . with two or more soil-working tools of different kind

49/022 . . . . [at least one tool being actively driven]

49/025 . . . . [about a substantially vertical axis]

49/027 . . . . [with a rotating, soil working support element, e.g. a roller]

49/04 . . . . Combinations of soil-working tools with non-soil-working tools, e.g. planting tools (seeding machines A01C 7/00; harvesters combined with soil-working implements A01D 43/12)]

49/06 . . . . . . for sowing or fertilising

49/065 . . . . . . [the soil-working tools being actively driven]

51/00 Undercarriages specially adapted for mounting on various kinds of agricultural tools or apparatus (general vehicle aspects, see the relevant subclass of class B60 or B62)

51/02 . . . . . . propelled by a motor

51/023 . . . . . . [of the Gantry-type]

51/026 . . . . . . {of the automotive vehicle type, e.g. including driver accommodation (A01B 51/023 takes precedence)}

51/04 . . . . . . drawn by animal or tractor

51/045 . . . . . . {drawn by animals}

59/00 Devices specially adapted for connection between animals or tractors and agricultural machines or implements (A01B 63/00 takes precedence; vehicle connections in general B60D; draught assemblies for animal drawn vehicles, in general B62C 5/00)

59/002 . . . . . {Details, component parts}

59/004 . . . . . [Length-adjustable links]

59/006 . . . . . {Latched hooks}

59/008 . . . . . {Link connectors with spherical surfaces}

59/002 . . . for animal-drawn machines

59/004 . . . for machines pulled or pushed by a tractor

59/0041 . . . preventing or limiting side-play of implements (preventing overstrain A01B 61/00)

59/00415 . . . . . [by hydraulic or pneumatic means acting on the lower draft links]

59/0042 . . . having pulling means arranged on the rear part of the tractor

59/0043 . . . supported at three points, e.g. by quick-release couplings (A01B 59/006 takes precedence)

59/0044 . . . having pulling means arranged on the middle part of the tractor

59/0046 . . . having pulling or pushing means arranged on the side of the tractor

59/0048 . . . having pulling or pushing means arranged on the front part of the tractor

59/006 . . . . . for machines mounted on tractors

59/0061 . . . [specially adapted for enabling connection or disconnection controlled from the driver's seat (not used, see subgroups)]

59/0062 . . . . . . {the connection comprising a rigid interface frame on the tractor}

59/0063 . . . . . . [the connection comprising longitudinally oriented tang-and-sheath elements]

59/0064 . . . . . . {for connection to the front of the tractor}

59/0065 . . . . . . [for ploughs or like implements (A01B 59/061 and subgroups take precedence)]

59/0066 . . . . . . {of the type comprising at least two lower arms and one upper arm generally arranged in a triangle (e.g. three-point hitches)}

59/0067 . . . . . . {the lower arms being lifted or lowered by power actuator means internally incorporated in the tractor}

59/0068 . . . . . . {the lower arms being lifted or lowered by power actuator means provided externally on the tractor}

59/0069 . . . . . . [with means for weighing the implement]

61/00 Devices for, or parts of, agricultural machines or implements for preventing overstrain (preventing overstrain in vehicle connections, in general B60D; preventing overstrain in couplings see E16D)

61/002 . . . . . . of the coupling devices between tractor and machine

61/025 . . . . . . {the driving connections}

61/04 . . . . . . of the connection between tools and carrier beam or frame

61/042 . . . . . . [with shearing devices]

61/044 . . . . . . [the connection enabling a yielding pivoting movement around a substantially horizontal and transverse axis]
Parts, details or accessories of agricultural machines or implements, in general

63/00 Lifting or adjusting devices or arrangements for agricultural machines or implements
(lifting mechanisms for the cutter-bar of a mower A01D 34/24; adjusting devices for the cutter-bar of a mower A01D 34/28; constructional features of lifting devices per se B66F)

63/002 [Devices for adjusting or regulating the position of tools or wheels (preventing overstrain A01B 61/00; wheels adjustable relatively to the frame for drawn implements A01B 3/16; tools or tool holders adjustable relatively to the frame for drawn implements A01B 63/24)]

63/004 [Lateral adjustment of tools]
63/006 [Lateral adjustment of wheels]
63/008 [Vertical adjustment of tools (A01B 63/10 takes precedence)]

63/02 for implements mounted on tractors
63/023 [Lateral adjustment of their tools]
63/026 [Lateral adjustment of their wheels]
63/04 Hand devices; Hand devices with mechanical accumulators, e.g. springs
63/045 [for vertically adjusting wheels or similar rotary supporting elements]
63/06 operated mechanically by tractor motor
63/08 operated by the movement of the tractor
63/09 operated by hydraulic or pneumatic means
63/1006 [the hydraulic or pneumatic means structurally belonging to the tractor]

63/1013 [and being located inside the tractor body]
63/102 characterised by the location of the mounting on the tractor, e.g. on the rear part
63/104 on the middle part, i.e. between front and rear wheels
63/106 on the side
63/108 on the front part
63/11 for controlling weight transfer between implements and tractor wheels
63/111 regulating working depth of implements
63/112 [using a non-tactile ground distance measurement, e.g. using reflection of waves]
63/115 [using a mechanical ground contact sensor]
63/117 [using a hitch position sensor]
63/118 to control draught load, i.e. tractive force
63/114 to achieve a constant working depth
63/1155 [for controlling weight transfer between implements and tractor wheels]
63/118 mounting implements on power-lift linkages (A01B 59/043 takes precedence; preventing or limiting side-play of implements A01B 59/041; preventing overstrain A01B 61/00)

63/12 operated by an electric motor
63/14 for implements drawn by animals or tractors
63/145 [for controlling weight transfer between implements and tractor wheels]
63/16 with wheels adjustable relatively to the frame
63/163 [laterally adjustable]
63/166 [manually adjustable]
63/18 with clutch between Z-type axle and wheel
63/20 with gear and rack
63/22 operated by hydraulic or pneumatic means
63/24 Tools or tool-holders adjustable relatively to the frame
63/245 [laterally adjustable]
63/26 by man-power
63/28 operated by the machine or implement
63/30 operated by motor power through a mechanical transmission
63/32 operated by hydraulic or pneumatic means [without automatic control]

67/00 Devices for controlling the tractor motor by resistance of tools (preventing overstrain A01B 61/00)

69/00 Steering of agricultural machines or implements; Guiding agricultural machines or implements on a desired track (vehicle course control in general G05D 1/02)

NOTE
In this group it is obligatory to classify subject-matter in the first appropriate place. It is however allowed to apply multiple classification where considered useful for search

69/001 [Steering by means of optical assistance, e.g. television cameras (steering devices for road marking vehicles E01C 23/163)]
69/002 [Steering or guiding on a substantially circular or spiral path]
69/003 [Steering or guiding of machines or implements pushed or pulled by or mounted on agricultural vehicles such as tractors, e.g. by lateral shifting of the towing connection]
69/004 [automatic]
69/005 [by an additional operator]
69/006 [derived from the steering of the tractor]
69/007 [Steering or guiding of agricultural vehicles, e.g. steering of the tractor to keep the plough in the furrow]
69/008 [automatic]
69/02 Ridge-marking or like devices; Checkrow wires; Accessories therefor
69/022 [Ridge marking by deposition of a chemical substance, e.g. foam, on the surface of the soil]
69/024 [adapted to cut and form a ridge or forrow in the soil surface, e.g. with a disc]
69/026 [Checkrow wires]
69/028 [the wire being located above the ground]

71/00 Construction or arrangement of setting or adjusting mechanisms, of implement or tool drive or of power take-off; Means for protecting parts against dust, or the like; Adapting machine elements to or for agricultural purposes (adjusting mechanisms in general G05G)
71/02 Setting or adjusting mechanisms
71/04 Bearings of rotating parts, e.g. for soil-working discs ([discs A01B 15/16, A01B 23/06]; bearings in general F16C)
71/06 Special adaptations of coupling means between power take-off and transmission shaft to the implement or machine (couplings for transmitting rotation F16D)
Parts, details or accessories of agricultural machines or implements, in general

71/063 . . . (for enabling transmission coupling and connection between tractor and implements to be controlled from the driver’s seat)

71/066 . . . (for enabling pitch, roll or yaw movements of trailed implements or machines)

71/08 . Means for protecting against dust, or the like, or for cleaning agricultural implements (A01B 15/16, A01B 19/10 and A01B 23/06 take precedence; screening of rotary driven tilling tools A01B 33/12; screening of rotary parts in general F16P 1/00)

71/066 . . . (for enabling pitch, roll or yaw movements of trailed implements or machines)

73/00 Means or arrangements to facilitate transportation of agricultural machines or implements, e.g. folding frames to reduce overall width

(arrangements of lifting devices for soil working implements A01B 63/00; carriers for harvesters or mowers A01D 75/002; arrangements or carriers for haymakers A01D 78/1007, A01D 80/005; vehicles adapted for load transportation or to transport, to carry or to comprise special loads or objects B60P; motor vehicles, trailers B62D)

73/005 . . . (for endwise transportation, i.e. the direction of transport being substantially perpendicular to the direction of agricultural operation (A01B 73/02 takes precedence))

73/02 . Folding frames

73/04 . . . foldable about a horizontal axis

73/042 . . . (specially adapted for actively driven implements)

73/044 . . . (the axis being oriented in a longitudinal direction (A01B 73/042 takes precedence))

73/046 . . . . . (each folding frame part being foldable in itself)

73/048 . . . . . (the axis being oriented in transverse direction (A01B 73/042 takes precedence))

73/06 . . . foldable about a vertical axis

73/062 . . . . . (of the type comprising four vertical folding axes each disposed at a substantially fixed location of a supporting frame)

73/065 . . . . . . (to a position essentially forward of the axis, in relation to the direction of travel)

73/067 . . . . . . (to a position essentially rearward of the axis, in relation to the direction of travel)

75/00 Carriers for supporting persons when working in the field, e.g. while thinning beet

76/00 Parts, details or accessories of agricultural machines or implements, not provided for in groups A01B 51/00 - A01B 75/00

77/00 Machines for lifting and treating soil (biocides, pest repellants or attractants, plant growth regulators A01N 25/00 - A01N 65/00; fertilisers C05; soil-conditioning or soil-stabilising materials C09K 17/00)

79/00 Methods for working soil (essentially requiring the use of particular machines, see the relevant groups for the machines)

79/005 . . . (Precision agriculture)

79/02 . . . combined with other agricultural processing, e.g. fertilising, planting