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.

1/00 Hand tools (edge trimmers for lawns A01G 3/06; machines for working soil A01B 35/00; making hand tools B21D)

1/02 Spades; Shovels (hand-operated dredgers E02F 3/02)

1/022 . . . (Collapsible; extensible; combinations with other tools)

1/024 . . . (Foot protectors attached to the blade)

1/026 . . . (with auxiliary handles for facilitating lifting)

1/028 . . . (with ground abutment shoes or earth anchors for facilitating lifting)

1/04 . . . with teeth

1/06 Hoes; Hand cultivators (rakes A01D 7/00; forks A01D 9/00; picks B25D)

1/065 . . . (powered)

1/08 . . . with a single blade

1/10 . . . with two or more blades

1/12 . . . with blades provided with teeth

1/14 . . . with teeth only

1/16 . . . Tools for uprooting weeds

1/165 . . . (adapted for extracting a substantially cylindrical plug out of the earth)

1/18 . . . Tong-like tools

1/20 . . . Combinations of different kinds of hand tools

1/22. . . . Attaching the blades or the like to handles (handles for tools, or their attachment, in general B25G; Interchangeable or adjustable blades

1/222 . . . (Adjustable blades)

1/225 . . . (around a substantially horizontal axis)

1/227 . . . (Interchangeable blades)

1/24 . . . for treating meadows or lawns

1/243 . . . (for aerating)

1/246 . . . (for cutting sods or turves)

Ploughs

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
Ploughs

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 (tilling 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 axles
21/06 . . . on vertically-arranged axles
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
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 "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 E02D))

33/00 Tilling implements with rotary driven tools (e.g. in combination with fertiliser distributors or seeders, with grubbing chains, with sloping axes, 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

25/00 Harrows with special additional arrangements, e.g. means for distributing fertilisers; Harrows for special purposes (A01B 39/00 takes precedence; fertiliser distributors A01C 15/00))

27/00 Other machines for working soil
33/08 Structural or functional features of the tools (Theoretical aspects of the cutting action)
33/10 [the rotating shaft being oriented horizontally]
33/103 [the rotating shaft being oriented vertically or steeply inclined]
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; 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

39/16 . . for working in vineyards, orchards, or the like
{ Arrangements for preventing damage to vines
( ploughs adapted for working in vineyards
A01B 13/06 )

39/163 . . . [comprising rotating tools]
39/166 . . . . ( actively driven
39/18 . . for weeding
39/19 . . . Rod weeder, 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 aeration
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 ) harvers combined with
soil-working implements A01D 43/12 )
49/06 . . . for sowing or fertilising
49/065 . . . . [ the soil-working tools being actively driven

Parts, details or accessories of agricultural machines or imple ments, in general [ seat constructions A47C ; wheels B60B;
shefors for drivers B60J ; seats specially adapted for vehicles
B60N 2/00 ; wheel scrapers B60S 1/68

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
59/02 . . . , for animal-drawn machines
59/04 . . . , for machines pulled or pushed by a tractor
59/041 . . . , preventing or limiting side-play of implements
(preventing overstrain A01B 61/00
59/0415 . . . . . , by hydraulic or pneumatic means acting on
the lower draft links
59/042 . . . , having pulling means arranged on the rear part
of the tractor
59/043 . . . . supported at three points, e.g. by quick-release
couplings ( A01B 59/06 takes precedence
59/044 . . . , having pulling means arranged on the middle part
of the tractor
59/046 . . . , having pulling or pushing means arranged on the
side of the tractor
59/048 . . . , having pulling or pushing means arranged on the
front part of the tractor
59/06 . . . , for machines mounted on tractors
59/061 . . . . , specially adapted for enabling connection or
disconnection controlled from the driver's seat
( not used, see subgroups )
59/062 . . . . . , the connection comprising a rigid interface
frame on the tractor
59/063 . . . . [ the connection comprising longitudinally
oriented tang-and-sheath elements
59/064 . . . , for connection to the front of the tractor
59/065 . . . . [ for ploughs or like implements ( A01B 59/061
and subgroups take precedence
59/066 . . . . . , the type comprising at least two lower arms
and one upper arm generally arranged in a
triangle ( e.g. three-point hitchs )
59/067 . . . . [ the lower arms being lifted or lowered by
power actuator means internally incorporated in
the tractor
59/068 . . . . [ the lower arms being lifted or lowered by
power actuator means provided externally on the
tractor
59/069 . . . . , with means for weighing the implement

61/00 Devices for, or parts of, agricultural m achines or
implements for preventing overstrain ( preventing
overstrain in vehicle connections, in general B60D ;
preventing overstrain in couplings per se F16D
61/02 . . . , for 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

CPC - 2019.05
4
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 B66E)

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 or similar rotary supporting elements]

63/06 . . operated mechanically by tractor motor

63/08 . . operated by the movement of the tractor

63/10 . . 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

63/1112 . . . . [using a non-tactile ground distance measurement, e.g. using reflection of waves]

63/1115 . . . . [using a mechanical ground contact sensor]

63/1117 . . . . [using a hitch position sensor]

63/112 . . . . to control draught load, i.e. tractive force

63/114 . . . . to achieve a constant working depth

63/1145 . . . . [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]

69/002 . . Ridge-marking or like devices; Checkrow wires; Accessories therefor

69/0022 . . [Ridge marking by deposition of a chemical substance, e.g. foam, on the surface of the soil]

69/0024 . . [adapted to cut and form a ridge or furrow in the soil surface, e.g. with a disc]

69/0026 . . . . [Checkrow wires]

69/0028 . . . . [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)

71/063 . . . {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}

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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