### COOPERATIVE PATENT CLASSIFICATION **CPC**

# **HUMAN NECESSITIES**

# **AGRICULTURE**

9/04

. with exchangeable tines

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

#### A01D HARVESTING; MOWING

## **NOTES**

- 1. This subclass covers the shredding or pulverising of stubble, e.g. for the purpose of producing mulch, but does not cover other mechanical destruction of unwanted vegetation, which is covered by group A01M 21/02
- 2. In this subclass, in groups A01D 34/00, A01D 42/00, A01D 43/00, A01D 57/00, A01D 67/00, A01D 69/00 and A01D 75/00, it is desirable to add the indexing code of group A01D 2101/00

# WARNING

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.

<b>Hand implements</b> (devices for picking apples or like fruit A01D 46/24; soil-working implements not specially adapted for harvesting A01B 1/00)		9/06	. combined with strippers, grippers or the like
		11/00	Other hand implements {(for maize A01D 45/026, for cotton A01D 46/087)}
1/00	Hand-cutting implements for harvesting (hedge trimming means A01G 3/04; {hand-cutting in general	11/02	for lifting or cropping beet, potatoes or other root crops
	B26; making from sheet metal B21D 53/72; making	11/025	• • {Knives for topping beets}
	by rolling <u>B21H 7/10</u> })	11/04	<ul> <li>for handling root crops, e.g. shovels, fork-like</li> </ul>
1/02	• Scythes	11/04	shovels
1/04	• Sickles	11/06	Combined implements, e.g. fork and rake
1/06	. Knives		
1/08	Attaching means for blades	Machines for	r harvesting root crops
1/10 1/12	<ul> <li>with fastening by means of eccentric levers</li> <li>with blades adjustable in several ways</li> </ul>	13/00	Diggers, e.g. potato ploughs
1/14	Handles; Accessories, e.g. scythe baskets, safety devices	15/00	Digging machines with sieve graters but without conveying mechanisms
		15/02	with rigid grates
3/00	Non-abrasive sharpening devices for scythes, sickles or the like	15/04	• with moving or vibrating grates
3/02	<ul> <li>with percussive tools</li> </ul>	17/00	Digging machines with sieving and conveying
3/04	<ul> <li>with pressing jaws</li> </ul>		mechanisms
3/06	<ul> <li>with pressing rollers or pressing discs</li> </ul>	17/02	<ul> <li>with conveyors arranged above the sieving device</li> </ul>
3/08	<ul> <li>Details, e.g. scythe anvils, scythe guides</li> </ul>	17/04	<ul> <li>with conveyors arranged below the sieving device</li> </ul>
<b>5</b> /00		17/06	<ul> <li>with rollers or disc screens</li> </ul>
5/00	Containers for whetstones for use during	17/08	<ul> <li>with shaker type screens</li> </ul>
	harvesting	17/10	<ul> <li>with smooth conveyor belts, lath bands or rake</li> </ul>
7/00	Rakes (mowers convertible to rakes or capable of		bands
	raking A01D 42/02; mowers combined with rakes	17/101	• • {with two superposed conveyor belts}
	<u>A01D 43/02</u> )	2017/103	• • {Constructional details of conveyor belts}
7/02	<ul> <li>with tines rigidly connected to the rake-bar</li> </ul>	2017/105	• • {Driving means for the belt}
7/04	<ul> <li>with adjustable rake-bar</li> </ul>	2017/106	• • {Belts with fingers mounted on them}
7/06	<ul> <li>with tines specially shaped or attached</li> </ul>	2017/108	• • {Belts with paddles mounted on them}
7/08	<ul> <li>with exchangeable tines</li> </ul>	17/12	<ul> <li>with bucket conveyors</li> </ul>
7/10	<ul> <li>combined with strippers, grippers or the like</li> </ul>	17/14	<ul> <li>with cylindrical screens</li> </ul>
0/00	Fouled (making fouls from sheet motal D21D 52/69)	17/16	with a conveyor spiral
9/00	<b>Forks</b> {(making forks from sheet metal <u>B21D 53/68</u> ; making forks by rolling <u>B21H 7/08</u> )}	17/18	without a conveyor spiral
9/02	• with tines rigidly connected to the handle	17/20	with several co-operating screens
9/02	• with thies rigidity conflected to the handle	17/22	• • with several co-operating sifter bands

CPC - 2024.05 1

. . with several co-operating sifter bands

19/00	Digging machines with centrifugal wheels, drums	33/12	• Driving mechanisms, with or without motor	
19/02	or spinners  with working tools rotating around a horizontal axis	33/14	Lifting or lowering mechanisms for the tools	
	arranged transverse to the direction of travel	Harvesters or mowers for grass, cereals, or other crops		
19/04	• with working tools rotating around a horizontal axis	therefor A01	parts thereof <u>A01D 57/00</u> - <u>A01D 69/00</u> ; accessories	
10/06	arranged parallel to the direction of travel	therefor Aut	<u>D 73/00</u> )	
19/06	<ul><li>with scoop wheels or drums</li><li>with scoop tine chains</li></ul>	34/00	Mowers (combined with apparatus performing	
19/08 19/10	<ul><li>with scoop time chains</li><li>with receiving screens; Implements for depositing</li></ul>		additional operations while mowing	
19/10	the root crops		<u>A01D 37/00</u> - <u>A01D 41/00</u> , <u>A01D 43/00</u> ; convertible	
19/12	<ul> <li>with working tools arranged on an approximately</li> </ul>		to apparatus for purposes other than mowing or capable of performing operations other than mowing	
	vertical axis		A01D 42/00); Mowing apparatus of harvesters	
19/14	with one screening wheel	34/001	• {Accessories not otherwise provided for}	
19/16	with several screening wheels	34/003	<ul> <li>• {Means for cleaning the machine}</li> </ul>	
19/18	with screen tine chains	34/005	• • {Mulching means}	
21/00	Digging machines with potato-picking implements	34/006	• {Control or measuring arrangements}	
21/00	with picking tools moved up-and-down	34/008	• • {for automated or remotely controlled operation}	
21/04	<ul> <li>with picking tools moved up-and-down</li> <li>with rotating picking tools</li> </ul>	34/01	<ul> <li>characterised by features relating to the type of</li> </ul>	
			cutting apparatus	
23/00	Topping machines	34/015	• • {Cutting mechanisms not covered by another	
23/02	<ul> <li>cutting the tops before being lifted</li> </ul>		group}	
2023/022	• • {Rotatable cleaning devices, e.g. brushes,	34/02	having reciprocating cutters	
	for removing the rests of vegetal material on the root-crops not yet harvested (with cutters	34/03	mounted on a vehicle, e.g. a tractor, or drawn	
	A01D 2023/026)}	24/022	by an animal or a vehicle	
2023/024	• • {Devices with fix blades for topping}	34/032 34/035	{drawn by an animal or a vehicle}	
2023/026	• {Devices with movable knives for topping, e.g.	34/033	• • • • { with cutter bars driven by a power take- off from the vehicle }	
2020,020	rotatable cutting disks}	34/037	• • • • {with additional power-supply}	
2023/028	{Cutters rotating around a shaft forming a	34/04	with cutters at the front	
	cutting rotor}	34/043	• • • • (for cutting at the side)	
23/04	<ul> <li>cutting the tops after being lifted</li> </ul>	34/046	{drawn by an animal or a vehicle}	
23/06	<ul> <li>with collecting and depositing devices for the tops;</li> </ul>	34/06	with cutters at the side	
	Devices for protecting the tops against damage	34/065	{drawn by an animal or a vehicle}	
25/00	Lifters for beet or like crops	34/07	with cutters at the back	
25/005	• {Auxiliary devices for the lifters}	34/08	hand-guided by a walking operator	
25/02	Machines with rigid tools	34/10	with motor driven cutters or wheels	
25/04	Machines with moving or rotating tools	34/125	with means for discharging mown material	
25/042	• • {with driven tools}		( <u>A01D 57/26</u> - <u>A01D 57/30</u> take precedence;	
25/044	• • { with driven rotating tools}		combined with means for gathering or loading	
25/046	• • { with oscillating tools }	24/12	mown material A01D 43/06)	
25/048	• • { with endless chains }	34/13 34/135	<ul><li> Cutting apparatus</li><li> having oppositely movable cooperating</li></ul>	
27/00	Machines with both topping and lifting	34/133	knife-bars	
27700	mechanisms	34/14	Knife-bars	
27/02	• with rigid tools	34/145	• • • • Devices for connecting the knife-bars to	
27/04	with moving or rotating tools		the driving mechanism}	
20/00	Howevertone for monute	34/16	Guides for the knife-bar in the ledger-plate	
29/00	Harvesters for peanuts	34/17	Holding-down devices for the knife	
31/00	Other digging harvesters {(for harvesting asparagus	34/18	Guard fingers; Ledger-plates	
	<u>A01D 45/007</u> )}	34/20	Ledger-plate bars	
31/02	combined with other agricultural machines, e.g.	34/22	Shoes therefor	
	drilling, planting, hay-harvesting machines	34/23	with additional vertical cutter-bar	
33/00	Accessories for digging harvesters	34/24	Lifting devices for the cutter-bar	
2033/005	• {Yield crop determination mechanisms for root- crop harvesters}	34/243	• • • {Mechanical lifting devices ( <u>A01D 34/26</u> takes precedence)}	
33/02	Foliage-separating mechanisms	34/246	• • • {Hydraulic lifting devices}	
33/04	Stone-separating mechanisms	34/26	manually actuated	
33/06	Haulm-cutting mechanisms	34/27	Devices for disengaging the knife-driving	
33/08	Special sorting and cleaning mechanisms		mechanisms during the lifting of the cutter-	
33/10	• Crop collecting devices, with or without weighing	24/29	bar	
	apparatus	34/28	Adjusting devices for the cutter-bar	
33/105	• • {Devices for gathering the crop in a row}			

34/283	• • • {Adjustment of the cutter bar in a vertical plane, i.e. to adjust the angle between the	34/66 34/661	• • • • with two or more cutters
	cutter bar and the soil }		{Mounting means}
34/286	• • • {Adjustment of the cutter bar on a horizontal	34/662	• • • • • {to the front of the vehicle}
3-4/200	plane, i.e. to adjust the angle between the	34/664 34/665	{Disc cutter bars}
	cutter bar and the tractor}		{modular}
34/30	Driving mechanisms for the cutters	34/667	• • • • • {Means for directing the cut crop}
34/305	{Balancing}	34/668	{rotating}
34/32	Connecting-rods for knife-driving	34/67	hand-guided by a walking operator
	mechanisms	34/68	• • • • with motor driven cutters or wheels
34/33	Devices for connecting the rod to the knife-bar	34/6806	{Driving mechanisms (for the cutters A01D 34/76)}
34/34	Devices for connecting the rod to the crank-pin of the driving mechanism	34/6812 34/6818	<ul><li> {Braking or clutching mechanisms}</li><li> {Motor starting mechanisms}</li></ul>
34/36	actuated by advance of the machine	2034/6825	• • • • • {being tire driven}
34/37	electric	2034/6831	• • • • • • {being fluid driven}
34/37	fluid	2034/6837	• • • • • {Drive connections}
34/40	Other details	2034/6843	• • • • • {Control levers on the handle of the
34/404			mower}
34/404	having cutters driven to oscillate in a horizontal plane	34/685	• • • • with two or more cutters
34/408	1	34/69	• • • • with motor driven wheels
34/408	<ul><li> and cooperating with counter-cutters</li><li> having rotating cutters</li></ul>	34/695	supported by an air cushion
34/412	Flexible line cutters	34/71	with means for discharging mown material
34/4161	{Means for feeding cutter line}		( <u>A01D 57/26</u> - <u>A01D 57/30</u> take precedence;
34/4161	{automatically}		combined with means for gathering or
	* * *		loading mown material A01D 43/06)
34/4163	• • • • {by triggered line feedout, e.g. bump-feeding}	34/73	Cutting apparatus
34/4165	• • • {Mounting of the cutter head}	34/733	• • • • {Cutting-blade mounting means}
34/4166	{Mounting of the cutter head} {Mounting or replacement of the lines}	34/736	• • • • {Flail type}
34/4160	· · · {Protection devices}	34/74	Cutting-height adjustment
34/4167	{Constructional details of the flexible lines}	34/76	Driving mechanisms for the cutters
34/4108	<ul> <li> {Constructional details of the flexible lines}</li> <li> having cutters rotating about a horizontal axis,</li> </ul>	34/77	actuated by advance of the machine
34/42	e.g. cutting-cylinders	34/78	electric
34/43	• • • mounted on a vehicle, e.g. a tractor, or drawn	34/80	fluid
	by an animal or a vehicle	34/81	Casings; Housings (A01D 34/71 takes precedence)
34/435	{Flail harvesters or mowers (cutting flails A01D 34/535)}	34/82	Other details
34/44	with two or more cutters	34/822	• • • • {Devices for guiding or supporting cables}
34/46	hand-guided by a walking operator	34/824	• • • • {Handle arrangements}
34/47	with motor driven cutters or wheels	34/826	• • • • {Noise reduction means}
34/475	{Driving mechanisms (for the cutters	34/828	• • • • {Safety devices}
34/473	A01D 34/56)}	34/83	having cutting members on endless belts or
34/49	• • • • with means for discharging mown material		sprocket chains
34/47	(A01D 57/26 - A01D 57/30 take precedence;	34/831	• • { with blades on endless belts}
	combined with means for gathering or	34/833	• • { with blades on endless sprocket chains }
	loading mown material A01D 43/06)	34/835	<ul> <li>specially adapted for particular purposes</li> </ul>
34/52	Cutting apparatus	34/8355	• • {for cutting up or crushing remaining standing
34/53	Helically shaped cutting members		stalks, e.g. stubble (mowers combined with
34/535	• • • • with cutting members pivotally attached to		means for cutting up, crushing or bruising,
31/333	the rotating axle, e.g. flails		the mown crop <u>A01D 43/08</u> , <u>A01D 43/10</u> ;
34/54	Cutting-height adjustment		apparatus for crushing or bruising mown stalks
34/56	Driving mechanisms for the cutters		A01D 82/00; apparatus for cutting up the mown
34/57	actuated by advance of the machine	24/04	crop <u>A01F 29/00</u> )}
34/58	electric	34/84	• • for edges of lawns or fields, e.g. for mowing close
34/60	fluid		to trees or walls ({for embankments <u>A01D 34/86</u> takes precedence;} edge trimmers <u>A01G 3/00</u> )
34/62	Other details	34/86	• for use on sloping ground, e.g. on embankments
34/63	having cutters rotating about a vertical axis	34/00	{or in ditches}(undercarriages or frames specially
34/64	mounted on a vehicle, e.g. a tractor, or drawn		adapted for harvesters or mowers A01D 67/00;
2 ., 0 1	by an animal or a vehicle (A01D 34/695 takes precedence)		control mechanisms for harvesters or mowers when moving on slopes A01D 75/28)
2034/645	Lifting means for the cutter of the lawnmower mounted at the front of the	34/863	• • • {and for mowing around obstacles, e.g. posts, trees, fences or the like ( <u>A01D 34/866</u> takes
	vehicle for inspection and maintenance}		precedence)}

34/866	• • • {Mounting means}	42/005	• {Mulching (shredders or like cutting implements for
34/90	• • for carrying by the operator		comminuting plant waste per se A01G 3/002)}
34/902	• • • {Ergonomic provisions}	42/02	• Raking
34/905	• • {Vibration dampening means}	42/04	. Soil working
2034/907	• • • {Control levers for portable mowing machines}	42/06	<ul> <li>Sweeping or cleaning lawns or other surfaces</li> </ul>
27/00	Description ( ) (4 C. 1) I		{(sweeping apparatus for lawns <u>per se</u>
37/00	Reaper-binders (equipment thereon for binding		<u>A01G 20/43</u> )}
37/02	harvested produce, e.g. knotters, <u>A01D 59/00</u> )	42/08	Sweeping snow
37/02	<ul> <li>with receiving platform and binding apparatus but without elevating canvases</li> </ul>	43/00	Mowers combined with apparatus performing
37/04	conveying the stalks in vertical position	10,00	additional operations while moving (A01D 37/00,
37/04	<ul> <li>binding with stalks or straw bands</li> </ul>		A01D 39/00, A01D 41/00, take precedence)
37/00	· Uniding with starks of straw bands	43/003	• {with devices for drying or burning}
39/00	Independent binders, e.g. for hay; Binders	43/006	• {with devices for pressing or compacting}
	attachable to mowers (equipment thereon for	43/02	• with rakes
	binding harvested produce, e.g. knotters, <u>A01D 59/00</u> ;	43/04	• with haymakers, e.g. tedders
	stationary apparatus or hand tools for forming	43/06	• with means for collecting, gathering or loading
	or binding hay or straw into bundles <u>A01F 1/00</u> ;		mown material {(A01D 43/086 takes precedence)}
20/005	{bundling articles <u>B65B 13/00</u> ; knotting <u>D04G</u> })	43/063	in or into a container carried by the mower;
39/005	• (Binders combined with devices for picking-up the		Containers therefor (A01D 43/077 takes
	harvest}		precedence)
41/00	Combines, i.e. harvesters or mowers combined	43/0631	• • • {Control devices specially adapted therefor}
	with threshing devices	43/0633	• • • { with compacting means }
41/02	Self-propelled combines	43/0635	• • • { with emptying means }
41/04	Tractor-driven combines	43/0636	• • • {Flexible containers}
41/06	<ul> <li>Combines with headers</li> </ul>	43/0638	• • • {Rigid containers}
41/08	. Combines with thresh before the stalk is cut	43/07	• in or into a trailer (A01D 43/077 takes
41/10	<ul> <li>Field threshers with windrow pick-up apparatus</li> </ul>		precedence)
41/12	<ul> <li>Details of combines</li> </ul>	43/073	• • • with controllable discharge spout
41/1208	• • {Tanks for grain or chaff (for threshing machines	43/077	• • with auxiliary means, e.g. fans, for transporting
	<u>A01F 12/60</u> )}		the mown crop
41/1217	• • {Unloading mechanisms}	43/0775	• • • {for airborne lawn-mowers}
41/1226	• • • {Extension mechanisms}	43/08	• with means for cutting up the mown crop {, e.g.
41/1235	• • {Platforms for sacking}		forage harvesters}
41/1243	• • {Devices for laying-out or distributing the straw}	43/081	• • {specially adapted for ensilage of maize}
41/1252	• • {Anti-dust devices}	43/082	• • • {Gathering units}
41/1261	• • {Access devices for personnel}	43/083	• • • {with belts or chains}
41/127	Control or measuring arrangements specially	43/085	• • {Control or measuring arrangements specially
	adapted for combines	12/00	adapted therefor}
41/1271	• • • {for measuring crop flow}	43/086	• • {and means for collecting, gathering or loading
41/1272	• • • { for measuring grain flow }	42/007	mown material}
41/1273	• • • • {for measuring grain loss}	43/087	• • { with controllable discharge spout }
41/1274	• • · {for drives}	43/088	• • {Mounting means}
41/1275	• • • {for the level of grain in grain tanks}	43/10	• with means for crushing or bruising the mown crop
41/1276	• • • {for cleaning mechanisms}	43/102	• • {Bruising control devices}
41/1277	• • • {for measuring grain quality}	43/105	• • {Driving mechanisms}
41/1278	• • • {for automatic steering}	43/107	• • {Mounting means}
41/133	• Drying devices	43/12	• with soil-working implements, e.g. ploughs
41/14	Mowing tables	43/14	<ul> <li>with dispensing apparatus, e.g. for fertilisers, herbicides or preservatives</li> </ul>
41/141	• • { Automatic header control }	12/16	-
41/142	• • • {Header drives}	43/16	• with lawn edgers
41/144	• • • {Foldable headers}	44/00	Harvesting of underwater plants, e.g. harvesting of
41/145	• • • {Header lifting devices}		seaweed
41/147	• • • {Sunflower header attachments}	44/02	• of laver
41/148	• • • {Telescopic headers}	45/00	Harvesting of standing crops (A01D 44/00 takes
41/16	Devices for coupling mowing tables to	45/00	precedence; threshing machines adapted for special
	conveyors		crops, threshing devices for combines adapted for
42/00	Mowers convertible to apparatus for purposes		special crops A01F 11/00; harvesting of mushrooms
-14/ UU	other than mowing; Mowers capable of		A01G 18/70)
	performing operations other than mowing (mowers	45/001	• {with arrangements for transport of personnel}
	combined with apparatus performing additional	45/002	• {of pineapples}
	operations while mowing A01D 43/00)	45/003	• {of millet, sorghum}
	-	15, 505	- (

4 = 100			
45/006	• {of tomatoes}	46/26	. Devices for shaking trees or shrubs; Fruit catching
45/007	• {of asparagus}		devices to be used therewith (A01D 46/28 takes
45/008	• {of cucumbers}		precedence)
45/02	<ul> <li>of maize {, i.e. kernel harvesting (for ensilage maize A01D 43/081)}</li> </ul>	2046/262	• • {Collecting surfaces extended around a tree in order to catch the fruit}
45/021	• {Cornheaders}	46/264	• • {Devices for beating or vibrating the foliage;
45/023	{Gathering chains of belts}		Fruit catching devices to be used therewith}
45/025	• • {Snapping rolls}	2046/266	• • {Portable devices to shake branches}
45/026	• • {Hand implements}	2046/268	• • {Devices to shake the branches pneumatically
45/028	• • {Harvesting devices mounted to a vehicle}		powered}
45/04	• of rice	46/28	<ul> <li>Vintaging machines, i.e. grape harvesting machines</li> </ul>
45/06	• of flax {or similar fibrous plants}	46/285	• • { with means for separating leaves and grapes,
45/065	• • {of fibrous plants other than flax, e.g. ramie, sisal,		e.g. pneumatical means like blowing or aspirating
	hemp, jute, Spanish grass, raffia}		devices}
45/10	• of sugar cane {(for digging sugar cane	46/30	<ul> <li>Robotic devices for individually picking crops</li> </ul>
	A01D 31/00)}	47/00	Headers {for topping of plants, e.g. stalks with
45/16	<ul> <li>of tobacco</li> </ul>	17,00	ears}
45/22	• of beans		,
45/24	• of peas	51/00	Apparatus for gathering together crops spread on
45/26	of cabbage or lettuce		the soil, e.g. apples, beets, nuts, potatoes {, cotton,
45/263	• • {of lettuce}	51/002	cane sugar}
45/266	• • {of Brussels sprouts}	51/002	• {for apples or nuts}
45/28	<ul> <li>of spinach</li> </ul>	51/005	• {Loaders for beets, beetleaf or potatoes}
45/30	of grass-seeds or like seeds	51/007	• {for grains}
	-	Components	s of harvesters or mowers for grass or cereals
46/00	Picking of fruits, vegetables, hops, or the like;		paratus A01D 34/00; wheels B60B; wheel scrapers
	Devices for shaking trees or shrubs	B60S 1/68)	<u> </u>
	NOTE		
	In this group, group A01D 46/30 takes precedence	57/00	Delivering mechanisms for harvesters or mowers
	over groups <u>A01D 46/02</u> - <u>A01D 46/28</u>	57/01	Devices for leading crops to the mowing apparatus
		57/02	• using reels
46/005	• {picking or shaking pneumatically (of cotton	57/025	• • { with synchronised driving means }
46/00	<u>A01D 46/10</u> )}	57/03	with supplementary controlled movement of
46/02	• of hops		the crop-engaging members, e.g. of the tines {(A01D 57/025 takes precedence)}
46/04	• of tea	57/04	• • • Arrangements for changing the position of the
46/06		37/04	
16/00	• of coffee		reels
46/08	• of cotton	57/05	reels  Detachable reels for converting a mower into a
46/08 46/081	<ul><li> of cotton</li><li> . {with harvesters characterised by transversally</li></ul>	57/05	Detachable reels for converting a mower into a
46/081	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> </ul>		• • Detachable reels for converting a mower into a harvester
46/081 46/082	<ul> <li>of cotton</li> <li>{ with harvesters characterised by transversally adjustable row units}</li> <li>{ with harvesters characterised by basket means}</li> </ul>	57/06	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> </ul>
46/081 46/082 46/084	<ul> <li>of cotton</li> <li>{ with harvesters characterised by transversally adjustable row units}</li> <li>{ with harvesters characterised by basket means}</li> <li>{ with compacting means}</li> </ul>	57/06 57/08	<ul> <li>. Detachable reels for converting a mower into a harvester</li> <li>. using endless conveyors</li> <li>. using swinging rakes</li> </ul>
46/081 46/082	<ul> <li>of cotton</li> <li>{ with harvesters characterised by transversally adjustable row units}</li> <li>{ with harvesters characterised by basket means}</li> <li>{ with compacting means}</li> <li>{ Control or measuring arrangements specially</li> </ul>	57/06 57/08 57/10	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> </ul>
46/081 46/082 46/084 46/085	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> </ul>	57/06 57/08 57/10 57/12	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> </ul>
46/081 46/082 46/084 46/085 46/087	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{Hand implements}</li> </ul>	57/06 57/08 57/10 57/12 57/14	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> </ul>
46/081 46/082 46/084 46/085	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{Hand implements}</li> <li>{with harvesters characterised by the lubricant</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> </ul>
46/081 46/082 46/084 46/085 46/087 46/088	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{Hand implements}</li> <li>{with harvesters characterised by the lubricant distribution systems}</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16 57/18	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> <li>Bunching devices, e.g. with tipping bars</li> </ul>
46/081 46/082 46/084 46/085 46/087	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{Hand implements}</li> <li>{with harvesters characterised by the lubricant distribution systems}</li> <li>pneumatically {(A01D 46/081 - A01D 46/088</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16 57/18 57/20	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> <li>Bunching devices, e.g. with tipping bars</li> <li>with conveyor belts</li> </ul>
46/081 46/082 46/084 46/085 46/087 46/088	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{Hand implements}</li> <li>{with harvesters characterised by the lubricant distribution systems}</li> <li>pneumatically {(A01D 46/081 - A01D 46/088 take precedence)}</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16 57/18 57/20 57/22	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> <li>Bunching devices, e.g. with tipping bars</li> <li>with conveyor belts</li> <li>for standing stalks</li> </ul>
46/081 46/082 46/084 46/085 46/087 46/088 46/10	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{Hand implements}</li> <li>{with harvesters characterised by the lubricant distribution systems}</li> <li>pneumatically {(A01D 46/081 - A01D 46/088 take precedence)}</li> <li>using boll-from-plant strippers</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16 57/18 57/20 57/22 57/24	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> <li>Bunching devices, e.g. with tipping bars</li> <li>with conveyor belts</li> <li>for standing stalks</li> <li>Grass-boards</li> </ul>
46/081 46/082 46/084 46/085 46/087 46/088 46/10 46/12 46/14	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{Hand implements}</li> <li>{with harvesters characterised by the lubricant distribution systems}</li> <li>pneumatically {(A01D 46/081 - A01D 46/088 take precedence)}</li> <li>using boll-from-plant strippers</li> <li>using lint-from-plant pickers</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16 57/18 57/20 57/22	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> <li>Bunching devices, e.g. with tipping bars</li> <li>with conveyor belts</li> <li>for standing stalks</li> <li>Grass-boards</li> <li>Plates arranged behind the cutter-bar for guiding the</li> </ul>
46/081 46/082 46/084 46/085 46/087 46/088 46/10	<ul> <li>of cotton</li> <li>{ with harvesters characterised by transversally adjustable row units}</li> <li>{ with harvesters characterised by basket means}</li> <li>{ with compacting means}</li> <li>{ Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{ Hand implements}</li> <li>{ with harvesters characterised by the lubricant distribution systems}</li> <li>pneumatically {(A01D 46/081 - A01D 46/088 take precedence)}</li> <li>using boll-from-plant strippers</li> <li>using lint-from-plant pickers</li> <li>using rotary or oscillating spindles</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16 57/18 57/20 57/22 57/24	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> <li>Bunching devices, e.g. with tipping bars</li> <li>with conveyor belts</li> <li>for standing stalks</li> <li>Grass-boards</li> </ul>
46/081 46/082 46/084 46/085 46/087 46/088 46/10 46/12 46/14 46/16 46/18	<ul> <li>of cotton</li> <li>{ with harvesters characterised by transversally adjustable row units}</li> <li>{ with harvesters characterised by basket means}</li> <li>{ with compacting means}</li> <li>{ Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{ Hand implements}</li> <li>{ with harvesters characterised by the lubricant distribution systems}</li> <li>pneumatically {(A01D 46/081 - A01D 46/088 take precedence)}</li> <li>using boll-from-plant strippers</li> <li>using lint-from-plant pickers</li> <li>using rotary or oscillating spindles</li> <li>mounted on rotary carrier</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16 57/18 57/20 57/22 57/24 57/26	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> <li>Bunching devices, e.g. with tipping bars</li> <li>with conveyor belts</li> <li>for standing stalks</li> <li>Grass-boards</li> <li>Plates arranged behind the cutter-bar for guiding the cut grass or straw</li> </ul>
46/081 46/082 46/084 46/085 46/087 46/088 46/10 46/12 46/14 46/16	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{Hand implements}</li> <li>{with harvesters characterised by the lubricant distribution systems}</li> <li>pneumatically {(A01D 46/081 - A01D 46/088 take precedence)}</li> <li>using boll-from-plant strippers</li> <li>using lint-from-plant pickers</li> <li>using rotary or oscillating spindles</li> <li>mounted on rotary carrier</li> <li>Platforms with lifting and lowering devices</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16 57/18 57/20 57/22 57/24 57/26 57/28 57/30	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> <li>Bunching devices, e.g. with tipping bars</li> <li>with conveyor belts</li> <li>for standing stalks</li> <li>Grass-boards</li> <li>Plates arranged behind the cutter-bar for guiding the cut grass or straw</li> <li>Windrower attachments with tines</li> <li>Rotating attachments for forming windrows</li> </ul>
46/081 46/082 46/084 46/085 46/087 46/088 46/10 46/12 46/14 46/16 46/18 46/20	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{Hand implements}</li> <li>{with harvesters characterised by the lubricant distribution systems}</li> <li>pneumatically {(A01D 46/081 - A01D 46/088 take precedence)}</li> <li>using boll-from-plant strippers</li> <li>using lint-from-plant pickers</li> <li>using rotary or oscillating spindles</li> <li>mounted on rotary carrier</li> <li>Platforms with lifting and lowering devices</li> <li>Baskets or bags attachable to the picker</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16 57/18 57/20 57/22 57/24 57/26	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> <li>Bunching devices, e.g. with tipping bars</li> <li>with conveyor belts</li> <li>for standing stalks</li> <li>Grass-boards</li> <li>Plates arranged behind the cutter-bar for guiding the cut grass or straw</li> <li>Windrower attachments with tines</li> <li>Rotating attachments for forming windrows</li> <li>Equipment for binding harvested produce</li> </ul>
46/081 46/082 46/084 46/085 46/087 46/088 46/10 46/12 46/14 46/16 46/18 46/20 46/22	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{Hand implements}</li> <li>{with harvesters characterised by the lubricant distribution systems}</li> <li>pneumatically {(A01D 46/081 - A01D 46/088 take precedence)}</li> <li>using boll-from-plant strippers</li> <li>using lint-from-plant pickers</li> <li>using rotary or oscillating spindles</li> <li>mounted on rotary carrier</li> <li>Platforms with lifting and lowering devices</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16 57/18 57/20 57/22 57/24 57/26 57/28 57/30 <b>59/00</b>	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> <li>Bunching devices, e.g. with tipping bars</li> <li>with conveyor belts</li> <li>for standing stalks</li> <li>Grass-boards</li> <li>Plates arranged behind the cutter-bar for guiding the cut grass or straw</li> <li>Windrower attachments with tines</li> <li>Rotating attachments for forming windrows</li> <li>Equipment for binding harvested produce (specially adapted for baling presses A01F 15/14)</li> </ul>
46/081 46/082 46/084 46/085 46/087 46/088 46/10 46/12 46/14 46/16 46/18 46/20 46/22	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{Hand implements}</li> <li>{with harvesters characterised by the lubricant distribution systems}</li> <li>pneumatically {(A01D 46/081 - A01D 46/088 take precedence)}</li> <li>using boll-from-plant strippers</li> <li>using lint-from-plant pickers</li> <li>using rotary or oscillating spindles</li> <li>mounted on rotary carrier</li> <li>Platforms with lifting and lowering devices</li> <li>Baskets or bags attachable to the picker</li> <li>Devices for picking apples or like fruit (A01D 46/28)</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16 57/18 57/20 57/22 57/24 57/26 57/28 57/30 <b>59/00</b>	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> <li>Bunching devices, e.g. with tipping bars</li> <li>with conveyor belts</li> <li>for standing stalks</li> <li>Grass-boards</li> <li>Plates arranged behind the cutter-bar for guiding the cut grass or straw</li> <li>Windrower attachments with tines</li> <li>Rotating attachments for forming windrows</li> <li>Equipment for binding harvested produce (specially adapted for baling presses A01F 15/14)</li> <li>Packers</li> </ul>
46/081 46/082 46/084 46/085 46/087 46/088 46/10 46/12 46/14 46/16 46/18 46/20 46/22 46/24	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{Hand implements}</li> <li>{with harvesters characterised by the lubricant distribution systems}</li> <li>pneumatically {(A01D 46/081 - A01D 46/088 take precedence)}</li> <li>using boll-from-plant strippers</li> <li>using lint-from-plant pickers</li> <li>using rotary or oscillating spindles</li> <li>mounted on rotary carrier</li> <li>Platforms with lifting and lowering devices</li> <li>Baskets or bags attachable to the picker</li> <li>Devices for picking apples or like fruit (A01D 46/28 {and A01D 46/005} takes precedence)</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16 57/18 57/20 57/22 57/24 57/26 57/28 57/30 <b>59/00</b>	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> <li>Bunching devices, e.g. with tipping bars</li> <li>with conveyor belts</li> <li>for standing stalks</li> <li>Grass-boards</li> <li>Plates arranged behind the cutter-bar for guiding the cut grass or straw</li> <li>Windrower attachments with tines</li> <li>Rotating attachments for forming windrows</li> <li>Equipment for binding harvested produce (specially adapted for baling presses A01F 15/14)</li> <li>Packers</li> <li>Knotters</li> </ul>
46/081 46/082 46/084 46/085 46/087 46/088 46/10 46/12 46/14 46/16 46/18 46/20 46/22 46/24	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{Hand implements}</li> <li>{with harvesters characterised by the lubricant distribution systems}</li> <li>pneumatically {(A01D 46/081 - A01D 46/088 take precedence)}</li> <li>using boll-from-plant strippers</li> <li>using lint-from-plant pickers</li> <li>using rotary or oscillating spindles</li> <li>mounted on rotary carrier</li> <li>Platforms with lifting and lowering devices</li> <li>Baskets or bags attachable to the picker</li> <li>Devices for picking apples or like fruit (A01D 46/28 {and A01D 46/005} takes precedence)</li> <li>{Accessories specially adapted for manual picking, e.g. ladders, carts}</li> <li>Manually operated fruit-picking tools</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16 57/18 57/20 57/22 57/24 57/26 57/28 57/30 <b>59/00</b> 59/02 59/04 59/06	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> <li>Bunching devices, e.g. with tipping bars</li> <li>with conveyor belts</li> <li>for standing stalks</li> <li>Grass-boards</li> <li>Plates arranged behind the cutter-bar for guiding the cut grass or straw</li> <li>Windrower attachments with tines</li> <li>Rotating attachments for forming windrows</li> <li>Equipment for binding harvested produce (specially adapted for baling presses A01F 15/14)</li> <li>Packers</li> <li>Knotters</li> <li>Needles</li> </ul>
46/081 46/082 46/084 46/085 46/087 46/088 46/10 46/12 46/14 46/16 46/18 46/20 46/22 46/24	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{Hand implements}</li> <li>{with harvesters characterised by the lubricant distribution systems}</li> <li>pneumatically {(A01D 46/081 - A01D 46/088 take precedence)}</li> <li>using boll-from-plant strippers</li> <li>using lint-from-plant pickers</li> <li>using rotary or oscillating spindles</li> <li>mounted on rotary carrier</li> <li>Platforms with lifting and lowering devices</li> <li>Baskets or bags attachable to the picker</li> <li>Devices for picking apples or like fruit (A01D 46/28 {and A01D 46/005} takes precedence)</li> <li>{Accessories specially adapted for manual picking, e.g. ladders, carts}</li> <li>Manually operated fruit-picking tools (A01D 46/26 takes precedence)</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16 57/18 57/20 57/22 57/24 57/26 57/28 57/30 <b>59/00</b> 59/02 59/04 59/06 59/08	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> <li>Bunching devices, e.g. with tipping bars</li> <li>with conveyor belts</li> <li>for standing stalks</li> <li>Grass-boards</li> <li>Plates arranged behind the cutter-bar for guiding the cut grass or straw</li> <li>Windrower attachments with tines</li> <li>Rotating attachments for forming windrows</li> <li>Equipment for binding harvested produce (specially adapted for baling presses A01F 15/14)</li> <li>Packers</li> <li>Knotters</li> <li>Needles</li> <li>Discharge arms</li> </ul>
46/081 46/082 46/084 46/085 46/087 46/088 46/10 46/12 46/14 46/16 46/18 46/20 46/22 46/24	<ul> <li>of cotton</li> <li>{with harvesters characterised by transversally adjustable row units}</li> <li>{with harvesters characterised by basket means}</li> <li>{with compacting means}</li> <li>{Control or measuring arrangements specially adapted for cotton harvesters}</li> <li>{Hand implements}</li> <li>{with harvesters characterised by the lubricant distribution systems}</li> <li>pneumatically {(A01D 46/081 - A01D 46/088 take precedence)}</li> <li>using boll-from-plant strippers</li> <li>using lint-from-plant pickers</li> <li>using rotary or oscillating spindles</li> <li>mounted on rotary carrier</li> <li>Platforms with lifting and lowering devices</li> <li>Baskets or bags attachable to the picker</li> <li>Devices for picking apples or like fruit (A01D 46/28 {and A01D 46/005} takes precedence)</li> <li>{Accessories specially adapted for manual picking, e.g. ladders, carts}</li> <li>Manually operated fruit-picking tools</li> </ul>	57/06 57/08 57/10 57/12 57/14 57/16 57/18 57/20 57/22 57/24 57/26 57/28 57/30 <b>59/00</b> 59/02 59/04 59/06	<ul> <li>Detachable reels for converting a mower into a harvester</li> <li>using endless conveyors</li> <li>using swinging rakes</li> <li>using fans</li> <li>Rotating rakes</li> <li>Single-platform rakes</li> <li>Tilting tables</li> <li>Bunching devices, e.g. with tipping bars</li> <li>with conveyor belts</li> <li>for standing stalks</li> <li>Grass-boards</li> <li>Plates arranged behind the cutter-bar for guiding the cut grass or straw</li> <li>Windrower attachments with tines</li> <li>Rotating attachments for forming windrows</li> <li>Equipment for binding harvested produce (specially adapted for baling presses A01F 15/14)</li> <li>Packers</li> <li>Knotters</li> <li>Needles</li> </ul>

59/14	Sheaf counters	75/182	• • {Avoiding overload}
33/14	· Shear counters	75/182	<ul><li>• {Avoiding overload}</li><li>• {Avoiding collisions with obstacles}</li></ul>
61/00	Elevators or conveyors for binders or combines	75/187	<ul><li>• {Avoiding consistons with obstacles}</li><li>• {Removing foreign objects}</li></ul>
61/002	<ul><li>{transversal conveying devices}</li></ul>	75/20	<ul> <li>Devices for protecting men or animals</li> </ul>
61/004	• • {with cylindrical tools}	2075/203	• • {by stopping driving when lifting frames, e.g. for
61/006	• • {with rollers, e.g. adjustable}	2013/203	haymakers}
61/008	<ul> <li>{for longitudinal conveying, especially for</li> </ul>	75/206	• • {for mowers carried by operator}
	combines}	75/24	• Special devices for harvesters or mowers drawn by
61/02	• Endless belts	75/21	animals
61/04	. Chains	75/243	• • {Poles}
63/00	Outside dividers	75/246	• • {Devices for harnessing}
63/02	Rotating dividers	75/26	• Front trucks; Axle-pivot steering of front trucks
63/04	Non-rotating dividers	75/265	• • {Support wheels for poles or supporting devices}
	-	75/28	• Control mechanisms for harvesters or mowers when
65/00	Grain-crop lifters		moving on slopes; Devices preventing lateral pull
65/02	. Lifting fingers	75/282	{acting on the grain cleaning and separating
65/04	<ul> <li>with revolving staffs</li> </ul>		device (grain cleaners, separators per se
65/06	• Lifting devices arranged on the inner side of the		<u>A01F 12/44</u> )}
- <del>-</del> 100	cutter-bar	75/285	• • { with arrangements for holding the harvesting or
65/08	• Guard attachments for the wheels		mowing apparatus in a horizontal position}
67/00	Undercarriages or frames specially adapted for	75/287	• • {acting on the mowing table ( <u>A01D 75/285</u> takes
	harvesters or mowers (coupling arrangements		precedence)}
	between animal or tractor and harvester or mower	75/30	Arrangements for trailing two or more mowers
	A01B 59/00); Mechanisms for adjusting the frame	75/303	• • {for mowers positioned one behind the other or
	(adjusting devices for the cutter-bar A01D 34/28);	55/206	side by side}
	Platforms	75/306	• • {for lawn mowers positioned one behind the other
67/005	• {Arrangements of coupling devices}		or side by side}
67/02	Protection against weather	Havmakers	(combined with mowers A01D 43/04); Crop
67/04	. Seats	Conditioner	
69/00	Driving mechanisms or parts thereof for	NOTE	
	harvesters or mowers (driving mechanisms for the		
	cutters of mowers or harvesters A01D 34/00)		$\underline{\text{A01D 76/00}}$ - $\underline{\text{A01D 87/00}}$ , the following terms are used
69/002	• {driven by power take-off}		neanings indicated:
69/005	• {Non electric hybrid systems, e.g. comprising	state;	includes all mowed forage crop in a dry or partially dry
	mechanical and/or hydraulic and/or pneumatic		akers" covers all apparatus working on mowed forage
	drives}		ing on the ground with the intention to make hay,
69/007	• {with separate hand drive for cutting tools}		ne exception of "rakes" which are covered by group
69/02	. electric		7/00
69/025	• • {Electric hybrid systems}	<b>=</b> 0.0</td <td><b>T</b> 1 10 10 10 10 10</td>	<b>T</b> 1 10 10 10 10 10
69/03	. fluid	76/00	Haymakers with tines that are stationary with respect to the machine during operation but that
69/06	• Gearings		may be liftable for dumping
69/08	. Clutches	76/003	• {Hand-operated wheeled rakes (hand-operated rakes
69/10	• Brakes	70/003	A01D 7/00)}
69/12	. Lubrication	76/006	• {Hay-sweeps (rakes for making stacks
75/00	Accessories for harvesters or mowers	, ,, , , ,	A01D 85/001; sweep rakes A01D 87/08)}
75/002	• {Carriers for the transport of harvesters or mowers}		
75/004	• • {for mowers}	78/00	Haymakers with tines moving with respect to the
75/006	• • {for lawn-mowers}	70/001	machine
75/008	• {Tool-carrying means}	78/001	• {Side-delivery rakes ( <u>A01D 78/04</u> takes
75/02	Implements for collecting grain crop	79/002	precedence)}
75/04	Sheaf carriers	78/002 78/003	• • {Drum-turner-tedders with lateral discharge}
75/06	Sheaf shockers or stookers		• • {Drum-turner-tedders with throwing wheel}
75/065	• • {hand-operated}	78/005 78/006	<ul><li>{Turners; Tedders}</li><li>. {Rotating turners}</li></ul>
75/08	Sharpening apparatus fixed to the harvester or	78/006 78/007	<ul><li>• { Rotating turners}</li><li>• • { Control mechanisms therefor}</li></ul>
	mower	78/007 78/008	<ul><li>. {Control mechanisms therefor}</li><li>. {with forks}</li></ul>
75/10	<ul> <li>Devices for reconditioning the knife-bar, e.g.</li> </ul>	78/008 78/02	<ul><li>• {with forks}</li><li>• with tine-carrying bars or equivalent members</li></ul>
	removing the knife from its backing	10/02	which interconnect heads rotating about horizontal
75/12	• Instruments for removing the knife-bar from the		axes, e.g. of rotary-drum type
	cutter	78/04	• • the tine-carrying members moving obliquely or
75/16	. Implements for laying-out bands for sheaves	. 2. 2	at right angles to the direction of travel of the
75/18	Safety devices for parts of the machines		machine

78/06	• with tine-carrying endless chains or belts	85/001	• {making or setting stacks of cereals or grass, e.g.
78/08	with tine-carrying rotary heads or wheels		rack formers, fixed haystacks (rakes for making windrows, haysweeps A01D 76/006; drying racks
78/10	the tines rotating about a substantially vertical		A01F 25/12)}
79/1007	axis	85/002	• • {with binding equipment, e.g. binding groups of
78/1007	• • • {Arrangements to facilitate transportation specially adapted therefor (A01D 78/1021	03/002	bales}
	takes precedence; for other agricultural	85/004	• • {with pressing equipment, e.g. vehicles for
	machines or implements A01B 73/00; carriers	05,00.	forming stacks}
	A01D 80/005)}	85/005	• {Forming groups of bales, e.g. bale sledges (loaders
78/1014	· · · {Folding frames}		for bales A01D 87/12; vehicles for loading bales
78/1021	{Telescopic frames}		<u>A01D 90/08</u> )}
78/1028	• • • {Pivotable rotor support arms (A01D 78/1007	2085/007	• • {Machines directly attached to a baler}
	takes precedence)}	2085/008	• • {Making groups of bales just at horizontal level
78/1035	• • • {pivotable by orientation of the support		for leaving them on the field}
	wheels}	87/00	Loaders for hay or like field crops (combined with
78/1042	{Steering devices}	0.700	mowers <u>A01D 43/06</u> )
78/105	• • • {Ground support for rotors}	87/0007	• { with chopping devices (harvesters with loaders
78/1057	{Drive mechanisms}		A01D 43/06; forage harvesters A01D 43/08; special
78/1064	• • • {Arrangements of tines ( <u>A01D 78/1007</u> takes		adaptations of cutting machines for hay, straw or
=0/40=4	precedence)}		fodder <u>A01F 29/00</u> )}
78/1071	{Having only one rotor}	87/0015	• {Arrangements for making a strand (forming round
78/1078	{Having only one row of rotors arranged on		bales <u>A01F 15/07</u> )}
	the same horizontal line perpendicular to the advance direction of the machine}	87/0023	• {Coupling arrangements between tractors, loaders
78/1085	Having two rows of rotors on two different	07/002	or vehicles (for harvesters A01D 67/005)}
70/1003	horizontal lines perpendicular to the advance	87/003	• {with gripping or clamping devices (manure loaders
	direction of the machine}	87/0038	A01C 3/04)} • {Dumpboxes or metering devices for loading or
78/1092	{Having more than two rows of rotors on	67/0036	unloading}
	more than two different horizontal lines	87/0046	• {Distributing devices at the delivery side of loaders}
	perpendicular to the advance direction of the	87/0053	• {Tractor-mounted loaders (buck-rakes, transporting
	machine}		rakes A01D 87/08; manure loaders A01C 3/04; fork
78/12	the tines having an additional movement		loaders, fork lifts <b>B66F</b> ; earth-moving machines
70/107	superimposed upon their rotary movement		<u>E02F</u> )}
78/125	• • • {by a guiding track}	87/0061	• • {mounted on the three-point lifting system of the
78/14	the tines rotating about a substantially horizontal axis		tractor}
78/142	• • • {Arrangements for transport by movement of	87/0069	• • {mounted on the tractor but having their own
70/142	the heads carrying rake arms}	07/0076	lifting device}
78/144	{in a vertical plane}	87/0076	• • • {Front loaders}
78/146	{in a horizontal plane}	87/0084	• • {Rear loaders}
78/148	• • • {Rakes having only one heads carrying arm}	87/0092 87/02	<ul><li>. {Accessories}</li><li>. with conveyor belts {or conveyor chains, with or</li></ul>
78/16	with positive drive of the heads or wheels	87/02	without pick-up means}
78/18	• of the reciprocating tine type	87/04	with rakes feeding crop to the conveyor
78/20	the tines reciprocating in a direction parallel to	87/06	<ul> <li>with oscillating or reciprocating rake-bars</li> </ul>
	the direction of travel of the machine	87/08	• with sweep rakes {, i.e. buck-rakes, e.g. transporting
80/00	Parts or details of {, or accessories for,} haymakers		rakes}
80/005	• {Carriers for the transport of haymakers	87/10	• with blowers
80/003	(arrangements of the haymaker to facilitate	87/12	<ul> <li>Loaders for sheaves, stacks or bales</li> </ul>
	transportation A01D 78/1007)}	87/121	• • {for sheaves, stacks}
80/02	Tines; Attachment of tines	87/122	• • {for bales on the ground (vehicles for loading
02/00	C		<u>A01D 90/08</u> )}
82/00	Crop conditioners, i.e. machines for crushing or bruising stalks (combined with harvesters	2087/123	{Manual trolleys for bales}
	A01D 43/10)	87/125	• • {mounted on the press without laying down the
82/02	Rollers for crop conditioners	07/10/	bales}
	•	87/126	• • {Loaders for stacks or groups of bales}
84/00	Haymakers not provided for in a single one of	87/127	(Apparatus for handling, loading or unrolling round bales)
0.4/02	groups <u>A01D 76/00</u> - <u>A01D 82/00</u>	2087/128	round bales} {Devices for unrolling or breaking round
84/02	• with flexible tools	2007/120	bales }
85/00	Arrangements for making or setting stacks		outer
	- 5		

89/00	Pick-ups for loaders, chaff-cutters, balers, field-threshers, or the like {, i.e. attachments for picking-up hay or the like field crops (field threshers with windrow pick-up apparatus A01D 41/10)}
89/001	• {Pick-up systems}
89/002	• • {Rotors}
89/003	• • {Endless belts}
89/004	• {Mountings, e.g. height adjustment, wheels, lifting devices}
89/005	• {Drives}
89/006	• {Accessories (feeding devices for baling presses <u>A01F 15/10;</u> for cutting machines <u>A01F 29/10</u> )}
89/007	• • {Devices for preparing the picking-up of the windrow}
89/008	• • {Devices cooperating with the pick-up}
90/00	Vehicles for carrying harvested crops with means for selfloading or unloading (combined with mowers A01D 43/06)
2090/005	• {Vehicles for transporting bunches of bananas}
90/02	• Loading means
90/04	with additional cutting means
90/06	• • • with chaff cutters, {i.e. choppers} used as loading and cutting means (A01D 43/08 takes precedence)
90/08	<ul> <li>with bale-forming means additionally used for loading; with means for picking-up bales and transporting them into the vehicle</li> </ul>
90/083	• • {Round-bale trailers (trailers in general <u>B62D</u> )}
2090/086	• • • {Taking loose material, i.e. before having been baled, into the vehicle}
90/10	• Unloading means
90/105	• • {Automatic side-emptying forage wagons}
90/12	<ul> <li>with additional devices or implements (arrangements of coupling devices <u>A01B 59/00</u>)</li> </ul>
90/14	<ul> <li>Adaptations of gearing for driving, loading or unloading means</li> </ul>
90/16	• self-propelled
91/00	Methods for harvesting agricultural products
91/02	• Products growing in the soil
91/04	• Products growing above the soil (fruit, hops <u>A01D 46/00</u> )
93/00	Harvesting apparatus not provided for in other groups of this subclass

2101/00 Lawn-mowers