A	Sektion	SECTION A — HUMAN NECESSITIES
A01	Untersektion	AGRICULTURE
A01	Klasse	AGRICULTURE; FORESTRY; ANIMAL HUSBANDRY; HUNTING; TRAPPING; FISHING
A01F	Unterklasse	THRESHING; BALING OF STRAW, HAY OR THE LIKE; STATIONARY APPARATUS OR HAND TOOLS FOR FORMING OR BINDING STRAW OR HAY INTO BUNDLES; CUTTING OF HAY, STRAW OR THE LIKE; STORING AGRICULTURAL OR HORTICULTURAL PRODUCE
		Forming or tying straw; Hand-operated implements for cutting hay or straw
A01F 1/00	Hauptgruppe	Stationary apparatus or hand tools for forming or binding straw or hay into bundles (baling apparatus or presses A01F 13/00, A01F 15/00; binders A01D 37/00, A01D 39/00) [3]
A01F 1/02	1-Punkt Untergruppe	. Hand-operated tools
A01F 1/04	1-Punkt Untergruppe	. Fastening or tying devices
A01F 1/06	1-Punkt Untergruppe	. Ties for straw bundles
A01F 3/00	Hauptgruppe	Hand-operated implements for cutting-up hay or straw (mechanically-driven straw cutters A01F 29/00; cutting in general B26)
		Threshing
A01F 5/00	Hauptgruppe	Hand-operated implements for threshing
A01F 7/00	Hauptgruppe	Threshing machines (with flails A01F 9/00); Threshing devices for combines
A01F 7/02	1-Punkt Untergruppe	. with rotating tools
A01F 7/04	1-Punkt Untergruppe	. with axles transverse to the feeding direction
A01F 7/06	1-Punkt Untergruppe	. with axles in line with the feeding direction
A01F 9/00	Hauptgruppe	Threshing machines with flails; Threshing devices with flails for combines
A01F 9/00 A01F 11/00	Hauptgruppe Hauptgruppe	Threshing machines with flails; Threshing devices with flails for combines Threshing machines adapted for special crops; Threshing devices for combines adapted for special crops
•		Threshing machines adapted for special crops; Threshing devices for combines adapted for
A01F 11/00	Hauptgruppe 1-Punkt Untergruppe	Threshing machines adapted for special crops; Threshing devices for combines adapted for special crops
A01F 11/00 A01F 11/02	Hauptgruppe 1-Punkt Untergruppe	Threshing machines adapted for special crops; Threshing devices for combines adapted for special crops . for flax
A01F 11/00 A01F 11/02 A01F 11/04	Hauptgruppe 1-Punkt Untergruppe 1-Punkt Untergruppe	Threshing machines adapted for special crops; Threshing devices for combines adapted for special crops . for flax . for clover or like seeds, e.g. lucern
A01F 11/00 A01F 11/02 A01F 11/04 A01F 11/06	Hauptgruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe	Threshing machines adapted for special crops; Threshing devices for combines adapted for special crops . for flax . for clover or like seeds, e.g. lucern . for maize, e.g. removing kernels from cobs
A01F 11/00 A01F 11/02 A01F 11/04 A01F 11/06 A01F 11/08	Hauptgruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe	Threshing machines adapted for special crops; Threshing devices for combines adapted for special crops . for flax . for clover or like seeds, e.g. lucern . for maize, e.g. removing kernels from cobs . for palm fruit, e.g. releasing the fruit from the stalk
A01F 11/00 A01F 11/02 A01F 11/04 A01F 11/06 A01F 11/08 A01F 12/00	Hauptgruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe Hauptgruppe	Threshing machines adapted for special crops; Threshing devices for combines adapted for special crops . for flax . for clover or like seeds, e.g. lucern . for maize, e.g. removing kernels from cobs . for palm fruit, e.g. releasing the fruit from the stalk Parts or details of threshing machines; Parts or details of threshing devices for combines
A01F 11/00 A01F 11/02 A01F 11/04 A01F 11/06 A01F 11/08 A01F 12/00 A01F 12/10	Hauptgruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe Hauptgruppe 1-Punkt Untergruppe	Threshing machines adapted for special crops; Threshing devices for combines adapted for special crops . for flax . for clover or like seeds, e.g. lucern . for maize, e.g. removing kernels from cobs . for palm fruit, e.g. releasing the fruit from the stalk Parts or details of threshing machines; Parts or details of threshing devices for combines . Feeders
A01F 11/00 A01F 11/02 A01F 11/04 A01F 11/06 A01F 11/08 A01F 12/10 A01F 12/12	Hauptgruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe Hauptgruppe 1-Punkt Untergruppe 2-Punkt Untergruppe	Threshing machines adapted for special crops; Threshing devices for combines adapted for special crops . for flax . for clover or like seeds, e.g. lucern . for maize, e.g. removing kernels from cobs . for palm fruit, e.g. releasing the fruit from the stalk Parts or details of threshing machines; Parts or details of threshing devices for combines . Feeders without band-cutters
A01F 11/00 A01F 11/02 A01F 11/04 A01F 11/06 A01F 11/08 A01F 12/10 A01F 12/12 A01F 12/14	Hauptgruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe Hauptgruppe 1-Punkt Untergruppe 2-Punkt Untergruppe 2-Punkt Untergruppe	Threshing machines adapted for special crops; Threshing devices for combines adapted for special crops . for flax . for clover or like seeds, e.g. lucern . for maize, e.g. removing kernels from cobs . for palm fruit, e.g. releasing the fruit from the stalk Parts or details of threshing machines; Parts or details of threshing devices for combines . Feeders without band-cutters with band-cutters
A01F 11/00 A01F 11/02 A01F 11/04 A01F 11/06 A01F 11/08 A01F 12/00 A01F 12/10 A01F 12/12 A01F 12/14 A01F 12/16	Hauptgruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe Hauptgruppe 1-Punkt Untergruppe 2-Punkt Untergruppe 2-Punkt Untergruppe	Threshing machines adapted for special crops; Threshing devices for combines adapted for special crops . for flax . for clover or like seeds, e.g. lucern . for maize, e.g. removing kernels from cobs . for palm fruit, e.g. releasing the fruit from the stalk Parts or details of threshing machines; Parts or details of threshing devices for combines . Feeders without band-cutters with band-cutters Safety devices
A01F 11/00 A01F 11/02 A01F 11/04 A01F 11/06 A01F 11/08 A01F 12/00 A01F 12/10 A01F 12/12 A01F 12/14 A01F 12/16 A01F 12/18	Hauptgruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe Hauptgruppe 1-Punkt Untergruppe 2-Punkt Untergruppe 2-Punkt Untergruppe 2-Punkt Untergruppe 1-Punkt Untergruppe	Threshing machines adapted for special crops; Threshing devices for combines adapted for special crops for flax for clover or like seeds, e.g. lucern for maize, e.g. removing kernels from cobs for palm fruit, e.g. releasing the fruit from the stalk Parts or details of threshing machines; Parts or details of threshing devices for combines Feeders without band-cutters safety devices Threshing devices
A01F 11/00 A01F 11/02 A01F 11/04 A01F 11/06 A01F 11/08 A01F 12/00 A01F 12/10 A01F 12/12 A01F 12/14 A01F 12/16 A01F 12/18 A01F 12/20	Hauptgruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe 1-Punkt Untergruppe Hauptgruppe 1-Punkt Untergruppe 2-Punkt Untergruppe 2-Punkt Untergruppe 1-Punkt Untergruppe 2-Punkt Untergruppe 2-Punkt Untergruppe	Threshing machines adapted for special crops; Threshing devices for combines adapted for special crops . for flax . for clover or like seeds, e.g. lucern . for maize, e.g. removing kernels from cobs . for palm fruit, e.g. releasing the fruit from the stalk Parts or details of threshing machines; Parts or details of threshing devices for combines . Feeders without band-cutters with band-cutters Safety devices . Threshing devices Threshing cylinders with ribs

Symbol	Тур	Titel
A01F 12/28	2-Punkt Untergruppe	Devices for adjusting the concaves
A01F 12/30	1-Punkt Untergruppe	. Straw separators
A01F 12/32	2-Punkt Untergruppe	with shaker screens or sieves
A01F 12/34	3-Punkt Untergruppe	Sieve elements; Linings for shakers
A01F 12/36	4-Punkt Untergruppe	Sieve elements for handling short straw
A01F 12/38	2-Punkt Untergruppe	with juxtaposed and independently-moved shaker bars or the like
A01F 12/385	2-Punkt Untergruppe	with endless straw-conveying surface [5]
A01F 12/39	2-Punkt Untergruppe	with straw carriers in the form of rotors or drums [5]
A01F 12/395	2-Punkt Untergruppe	Conical or cylindrical straw separators with internal working surface [5]
A01F 12/40	1-Punkt Untergruppe	. Straw crushing or cutting, e.g. by chaff-cutters (cutting apparatus of chaff-cutters A01F 29/00)
A01F 12/42	1-Punkt Untergruppe	. Apparatus for removing awns from the grain (decorticating or removing awns otherwise than in threshing machines B02B 3/00)
A01F 12/44	1-Punkt Untergruppe	. Grain cleaners; Separators (screening or sifting apparatus in general B07B)
A01F 12/46	1-Punkt Untergruppe	. Mechanical grain conveyers (conveyers in general B65G)
A01F 12/48	1-Punkt Untergruppe	. Air conduits or blowers for grain (for transport in general B65G 51/00, B65G 53/00)
A01F 12/50	1-Punkt Untergruppe	. Sack-filling devices; Counting or weighing devices (packaging in bags B65B 1/00; weighing apparatus in general G01G; counting mechanisms in general G06M)
A01F 12/52	1-Punkt Untergruppe	. Arrangements for returning unthreshed grain to the threshing device
A01F 12/54	1-Punkt Untergruppe	. Dust collecting and removing installations
A01F 12/56	1-Punkt Untergruppe	. Driving mechanisms for the threshing parts
A01F 12/58	1-Punkt Untergruppe	. Steering devices; Brakes; Bearings
A01F 12/60	1-Punkt Untergruppe	. Grain tanks
		Baling of straw, hay or the like (baling presses in general, briquetting presses B30B)
A01F 13/00 A01F 15/00	Hauptgruppe Hauptgruppe	Hand-operated baling apparatus Baling presses for straw, hay, or the like (making compressed stacks A01D 85/00; pick-ups A01D
		89/00) [3]
A01F 15/02	1-Punkt Untergruppe	. with press-boxes
A01F 15/04	1-Punkt Untergruppe	. Plunger presses
A01F 15/06	2-Punkt Untergruppe	with double-action plunger
A01F 15/07	1-Punkt Untergruppe	. Rotobalers, i.e. machines for forming cylindrical bales by winding and pressing [5]
A01F 15/08	1-Punkt Untergruppe	. Parts
A01F 15/10	2-Punkt Untergruppe	Feeding devices for the crop material [3]
A01F 15/12	2-Punkt Untergruppe	Feeding devices for the ties
A01F 15/14	2-Punkt Untergruppe	Special adaptations of tying devices for baling presses (other equipment for binding harvested or mown produce A01D 59/00)

Symbol	Тур	Titel
A01F 15/16	2-Punkt Untergruppe	Division blocks
A01F 15/18	2-Punkt Untergruppe	Endless belts, rolls, or the like
		Accessories for threshing machines or baling presses (loaders for sheaves, stacks or bales A01D 87/12; trailers B62D 63/06)
A01F 17/00	Hauptgruppe	Straw conveyers for threshing machines or baling presses (conveyers in general B65G)
A01F 17/02	1-Punkt Untergruppe	. Mechanical conveyers
A01F 17/04	1-Punkt Untergruppe	. Pneumatic conveyers
A01F 19/00	Hauptgruppe	Devices for securing threshing machines or baling presses to the ground, e.g. for compensating for unevenness of the ground
A01F 21/00	Hauptgruppe	Devices for protecting human beings (in combines A01D 75/20; safety devices in general F16P)
A01F 25/00	Hauptgruppe	Storing agricultural or horticultural produce; Hanging-up harvested fruit (preservation of plants A01N 3/00; preservation of vegetables or fruit A23B 7/00; maturing fruit A23N 15/06; arrangements in barns for preparatory treatment of tobacco A24B 1/02; storing bulk material in general B65G; packing or storing hops C12C 3/04; drying in general F26B) [3]
A01F 25/02	1-Punkt Untergruppe	. Clamps; Pits
A01F 25/04	1-Punkt Untergruppe	. Stacks, ricks, or the like
A01F 25/08	2-Punkt Untergruppe	Ventilating means
A01F 25/10	2-Punkt Untergruppe	Shelters
A01F 25/12	1-Punkt Untergruppe	. Racks for drying purposes
A01F 25/13	1-Punkt Untergruppe	. Coverings (A01F 25/14 takes precedence; protective coverings for plants A01G 13/02) [3]
A01F 25/14	1-Punkt Untergruppe	. Containers specially adapted for storing (silos built by civil engineering techniques E04H 7/22) [3]
A01F 25/16	1-Punkt Untergruppe	. Arrangements in forage silos (loading or unloading arrangements in general B65G; construction of silos E04H $7/22$)
A01F 25/18	2-Punkt Untergruppe	Loading or distributing arrangements [2]
A01F 25/20	2-Punkt Untergruppe	Unloading arrangements [2]
A01F 25/22	2-Punkt Untergruppe	Ventilating arrangements [2]
A01F 29/00	Hauptgruppe	Special adaptations of cutting machines for cutting hay, straw or fodder; Cutting apparatus of chaff-cutters (mowers combined with means for cutting up the mown crop A01D 43/08; disintegrating in general B02C; cutting machines in general B26D) [3]
A01F 29/01	1-Punkt Untergruppe	. mounted on or drawn by a tractor, e.g. field choppers [7]
A01F 29/02	1-Punkt Untergruppe	. having rotating knives with their cutting edges in a plane perpendicular to their rotational axis [3]
A01F 29/04	2-Punkt Untergruppe	with feeding direction transverse to axis [3]
A01F 29/06	1-Punkt Untergruppe	. having rotating knives with their cutting edges on a cylinder surface, e.g. of the helical-type [3]
A01F 29/08	1-Punkt Untergruppe	. having reciprocating knives [3]
A01F 29/10	1-Punkt Untergruppe	. Feeding devices [3]
A01F 29/12	1-Punkt Untergruppe	. Discharge means (loaders for hay or like field crop having blowers A01D 87/10; conveyers B65G) [3]
A01F 29/14	1-Punkt Untergruppe	. Drives [3]
A01F 29/16	1-Punkt Untergruppe	. Safety devices, e.g. emergency brake arrangements [3]

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A01F 29/00

Symbol	Тур	Titel
A01F 29/18	2-Punkt Untergruppe	for protecting human beings [3]
A01F 29/20	1-Punkt Untergruppe	. Other details [3]
A01F 29/22	2-Punkt Untergruppe	Arrangement of knife sharpening devices (knife sharpening devices <u>per se</u> B24B) [3]