

CPC COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

AGRICULTURE

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

A01K ANIMAL HUSBANDRY; CARE OF BIRDS, FISHES, INSECTS; FISHING; REARING OR BREEDING ANIMALS, NOT OTHERWISE PROVIDED FOR; NEW BREEDS OF ANIMALS

NOTE

This subclass covers:

- equipment for the care, culture or rearing of all animals, or for obtaining their products, unless provided for elsewhere, e.g. milking [A01J](#), shoeing animals [A01L](#), veterinary devices [A61D](#), culture of animal cells [C12M](#), [C12N](#);
- methods of breeding animals or new animal breeds.

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.

Animal husbandry in general, especially cattle-raising (devices in connection with harnesses [B68B](#))

1/00 Housing animals; Equipment therefor

- 1/0005 . {Stable partitions (devices for fastening animals [A01K 1/06](#); pasturing enclosures [A01K 3/00](#))}
- 1/0011 . . {Cubicle partitions}
- 1/0017 . . {Gates, doors}
- 1/0023 . . . {Sorting gates}
- 1/0029 . . . {Crowding gates or barriers}
- 1/0035 . {Transportable or mobile animal shelters}
- 1/0041 . {Rotary, round or circular animal barns}
- 1/0047 . {Air-conditioning, e.g. ventilation, of animal housings}
- 1/0052 . . {Arrangement of fans or blowers}
- 1/0058 . . {Construction of air inlets or outlets in roofs}
- 1/0064 . . {Construction of air inlets or outlets in walls}
- 1/007 . . {Arrangement of curtain systems}
- 1/0076 . . {Arrangement of heaters or heat exchangers}
- 1/0082 . . {Water misting or cooling systems}
- 1/0088 . {Animal shelters especially adapted for keeping young cattle, i.e. calves}
- 1/0094 . {Animal shelters or barns especially adapted for keeping horses}
- 1/01 . Removal of dung or urine, {e.g. from stables} ([A01K 1/015](#) takes precedence; {from poultry houses [A01K 31/04](#)})
- 1/0103 . . {of liquid manure (treating manure [A01C 3/00](#); treatment of water, waste water, sewage or sludge [C02F](#))}
- 1/0107 . . {Cat trays; Dog urinals; Toilets for pets}
- 1/011 . . . {with means for removing excrement ([A01K 1/0114](#) and [A01K 1/0117](#) take precedence)}
- 1/0114 . . . {Litter boxes with screens for separating excrement from litter}
- 1/0117 . . . {with conveying belts for removing excrement}

- 1/0121 . . . {adapted to fit on conventional toilets}
- 1/0125 . . . {Foldable or collapsible litter boxes}
- 1/0128 . . {by means of scrapers or the like moving continuously}
- 1/0132 . . {by means of scrapers or the like moving to-and-fro or step-by-step}
- 1/0135 . . {by means of conveyor belts}
- 1/0139 . . {by means of screw conveyors}
- 1/0142 . . {by means of a moving piston}
- 1/0146 . . {by means of manure-loaders, manure-ramps or manure-elevators associated with in-house removal systems (independent manure-loaders [A01C 3/04](#))}
- 1/015 . Floor coverings, e.g. bedding-down sheets {; Stable floors}
- 1/0151 . . {Grids; Gratings; Slatted floors}
- 1/0152 . . {Litter}
- 1/0154 . . . {comprising inorganic material}
- 1/0155 . . . {comprising organic material}
- 1/0157 . . {Mats; Sheets}
- 1/0158 . . {Floor heating or cooling systems}
- 1/02 . Pigsties; Dog-kennels; Rabbit-hutches or the like
- 1/0209 . . {Feeding pens for pigs or cattle}
- 1/0218 . . {Farrowing or weaning crates}
- 1/0227 . . {Battery cages for piglets}
- 1/0236 . . {Transport boxes, bags, cages, baskets, harnesses for animals; Fittings therefor (for poultry [A01K 31/002](#); for pigeons [A01K 31/07](#))}
- 1/0245 . . . {Boxes or cages}
- 1/0254 . . . {Bags or baskets}
- 1/0263 . . . {Harnesses}
- 1/0272 . . . {Boxes, bags, cages, baskets, harnesses especially adapted for transport in or on automobiles}

1/0281	. . . {Boxes, bags, cages, baskets, harnesses especially adapted for transport in or on bicycles or motorcycles}	5/01	. Feed troughs; Feed pails { (A01K 1/10 takes precedence)}
1/029	. . . {Boxes, bags, cages, baskets, harnesses especially adapted for carrying the animal on the body of a person (baby carriers A47D 13/02)}	5/0107	. . {Transportable fodder pails or troughs}
1/03	. . Housing for domestic or laboratory animals	5/0114	. . {Pet food dispensers; Pet food trays (time-controlled A01K 5/0291)}
1/031	. . . {Cages for laboratory animals; Cages for measuring metabolism of animals}	5/0121	. . . {Disposable pet feeders}
1/032	. . . {Rabbit-hutches or cages}	5/0128	. . . {Pet feeders including liners; liners therefor; Means for holding liners to pet feeders}
1/033	. . . {Cat or dog houses}	5/0135	. . . {with means for preventing or catching spillage}
1/034	. . . . {Dog-kennels}	5/0142	. . . {with means for preventing other animals or insects from eating}
1/035	. . Devices for use in keeping domestic animals, e.g. fittings in housings or dog beds	5/015	. Licking-stone holders {; Other dispensers for minerals}
1/0353	. . . {Dog beds}	5/02	. Automatic devices {(automatic identification devices for stock A01K 11/006)}
1/0356	. . . {Feeding or drinking devices associated with cages (for poultry A01K 31/005 , A01K 31/17 , A01K 39/00 ; for birds A01K 31/06)}	5/0208	. . {with conveyor belts or the like}
1/04	. Tethering-poles or the like	5/0216	. . {for the distribution of liquid fodder (A01K 9/00 takes precedence)}
1/06	. Devices for fastening animals, e.g. halters, toggles, neck-bars or chain fastenings	5/0225	. . {Gravity replenishment from a reserve, e.g. a hopper (for poultry A01K 39/012)}
1/0606	. . {by means of grids with or without movable locking bars (A01K 1/08 takes precedence)}	5/0233	. . . {dispensing by dosing means actively operated by the animal}
1/0613	. . {Devices for immobilisation or restraint of animals, e.g. chutes (pens for animals while being shod A01L 13/00 ; appliances for supporting or fettering animals for operative purposes A61D 3/00)}	5/0241	. . . {dispensing by means of stirring mechanisms or agitators operated by the animal}
1/062	. . Neck-bars {, e.g. neck collars}	5/025	. . {with doors or lids activated by the animals to access feeding place or trough}
1/064	. . Chain fastenings	5/0258	. . {with endless screws}
1/08	. Arrangements for simultaneously releasing several animals	5/0266	. . {with stable trolleys, e.g. suspended}
1/10	. Feed racks	5/0275	. . {with mechanisms for delivery of measured doses (A01K 5/0233 takes precedence)}
1/105	. . {Movable feed barriers, slides or fences}	5/0283	. . . {by weight}
1/12	. Milking stations	5/0291	. . {with timing mechanisms, e.g. pet feeders}
1/123	. . {Mobile milking parlours}	7/00	Watering equipment for stock or game
1/126	. . {Carousels}	7/005	. {Drinking bowls with anti-splash or anti-spilling features}
3/00	Pasturing equipment, e.g. tethering devices; {Guiding corridors; Corrals, e.g. portable, collapsible;} Grids for preventing cattle from straying; Electrified wire fencing (electric circuits or apparatus for supplying electric wire fencing H05C)	7/02	. Automatic devices {; Medication dispensers}
3/002	. {Grids for preventing cattle from straying}	7/022	. . {Pumps actuated by the drinking animal}
3/005	. {Electrified wire fencing (circuits H05C)}	7/025	. . {Water tanks}
2003/007	. {Fencing and guiding systems for amphibia}	7/027	. . {Drinking equipment with water heaters, coolers or means for preventing freezing}
5/00	Feeding devices for stock or game (A01K 1/10 takes precedence; feeding devices for poultry or other birds A01K 39/00); {Feeding wagons; Feeding stacks}	7/04	. . actuated by float
5/001	. {Fodder distributors with mixer or shredder (adaptations of cutting machine A01F 29/00)}	7/06	. . actuated by the animal {(for poultry A01K 39/0213)}
5/002	. . {with mixing or shredding element rotating on horizontal axis}	9/00	Sucking apparatus for young stock {; Devices for mixing solid food with liquids}
5/004	. . {with mixing or shredding element rotating on vertical axis}	9/005	. {Teats or nipples (teats for feeding bottles for humans A61J 11/00)}
5/005	. . {where fodder, e.g. bales, is conveyed by conveyor or slide to mixing or shredding elements on transversal and horizontal axes}	11/00	Marking of animals (marking poultry or other birds A01K 35/00)
5/007	. . {with mixing or shredding area contained inside an endless chain or belt conveyor}	11/001	. {Ear-tags}
5/008	. {Feed bags}	11/002	. . {Pliers specially adapted for fixing ear-tags to ears}
		11/003	. . {with means for taking tissue samples, e.g. for DNA analysis}
		11/004	. . {with electronic identification means, e.g. transponders}
		11/005	. {Branding or tattooing devices for animals}

- 11/006 . {Automatic identification systems for animals, e.g. electronic devices, transponders for animals (identification systems for access to feeding pens [A01K 1/0209](#); ear tags with electronic identification means [A01K 11/004](#))}
- 11/007 . . {Boluses}
- 11/008 . . {incorporating GPS}
- 13/00 Devices for grooming or caring of animals, e.g. curry-combs; Fetlock rings; Tail-holders (as part of the harness [B68B 5/04](#)); Devices for preventing crib-biting; Washing devices; Protection against weather conditions or insects**
- 13/001 . {Washing, cleaning, or drying devices (for veterinary purposes [A61D 7/00](#), [A61D 11/00](#))}
- 13/002 . {Curry-combs; Brushes (shearing sheep [B26B 19/24](#))}
- 13/003 . {Devices for applying insecticides or medication ([A01K 27/007](#) takes precedence; for veterinary purposes [A61D 7/00](#))}
- 13/004 . {Rubbing-posts}
- 13/005 . {Tail-holders}
- 13/006 . {Protective coverings (Elastic soles or covers for hoofs [A01L 5/00](#), [A01L 7/02](#); for veterinary purposes [A61D](#))}
- 13/007 . . {Leg, hoof or foot protectors}
- 13/008 . . {Horse blankets}
- 14/00 Removing the fleece from live sheep or similar animals (hand-held clippers or shavers with a plurality of cutting edges, specially adapted for shearing animals, e.g. sheep, [B26B 19/24](#))**
- 15/00 Devices for taming animals, e.g. nose-rings or hobbles; Devices for overturning animals in general; Training or exercising equipment; Covering boxes**
- 15/003 . {Nose-rings; Fastening tools therefor; Catching or driving equipment}
- 15/006 . {Devices for impeding passage of animals under fences, preventing butting or the like}
- 15/02 . Training or exercising equipment, e.g. mazes or labyrinths for animals ([A01K 15/04](#) takes precedence); Electric shock devices (circuits therefor [H03K 3/537](#)); Toys specially adapted for animals}
- 15/021 . . {Electronic training devices specially adapted for dogs or cats}
- 15/022 . . . {Anti-barking devices}
- 15/023 . . . {Anti-evasion devices}
- 15/024 . . {Scratching devices, e.g. for cats}
- 15/025 . . {Toys specially adapted for animals}
- 15/026 . . . {Chewable toys, e.g. for dental care of pets}
- 15/027 . . {Exercising equipment, e.g. tread mills, carousels (equipment for racing or riding sports events [A63K](#))}
- 15/028 . . {Cow trainers}
- 15/029 . . {Electric or similar shock devices, e.g. prods}
- 15/04 . Devices for impeding movement; Devices for impeding passage through fencing {, e.g. hobbles or the like; Anti-kicking devices (impeding passage under fences [A01K 15/006](#))}
- 17/00 Dehorner; Horn trainers**
- 19/00 Weaning apparatus**

21/00 Devices for assisting or preventing mating**23/00 Manure or urine pouches**

- 23/005 . {Manure or urine collecting devices used independently from the animal, i.e. not worn by the animal but operated by a person}

25/00 Muzzles**27/00 Leads or collars, e.g. for dogs**

- 27/001 . {Collars}
- 27/002 . {Harnesses}
- 27/003 . {Leads, leashes}
- 27/004 . . {Retractable leashes}
- 27/005 . {Quick-couplings, safety-couplings or shock-absorbing devices between leash and collar}
- 27/006 . {with light-emitting or ornamental devices}
- 27/007 . {with insecticide-dispensing means}
- 27/008 . {with pockets or similar for carrying accessories}
- 27/009 . {with electric-shock, sound, magnetic- or radio-waves emitting devices}

29/00 Other apparatus for animal husbandry

- 29/005 . {Monitoring or measuring activity, e.g. detecting heat or mating}

Aviculture; Testing, cleaning, stamping or grading eggs**31/00 Housing birds**

- 31/002 . {Poultry cages, e.g. transport boxes ([Harvesting or transport of poultry \[A01K 45/005\]\(#\)](#))}
- 31/005 . . {Battery breeding cages, with or without auxiliary features, e.g. feeding, watering, demanuring, heating, ventilation}
- 31/007 . . {Floors (for stables [A01K 1/015](#))}
- 31/02 . Door appliances; Automatic door-openers
- 31/04 . Dropping-boards; Devices for removing excrement
- 31/06 . Cages {, e.g. for singing birds (for poultry [A01K 31/002](#))}
- 31/07 . . Transportable cages ([A01K 31/08](#) takes precedence); Travelling cages for pigeons; Opening or closing of cages}
- 31/08 . . Collapsible cages
- 31/10 . Doors; Trap-doors
- 31/12 . Perches {for poultry or birds, e.g. roosts}
- 31/14 . Nest-boxes {, e.g. for singing birds or the like}
- 31/16 . . Laying nests for poultry; Egg collecting
- 31/165 . . . {Egg collecting or counting}
- 31/17 . . . Laying batteries {including auxiliary features, e.g. feeding, watering, demanuring, heating, ventilation}
- 31/18 . Chicken coops or houses {for baby chicks}; Brooders {including auxiliary features, e.g. feeding, watering, demanuring, heating, ventilation ([battery breeding cages \[A01K 31/005\]\(#\)](#))}
- 31/19 . . Brooders {; Foster-mothers; Hovers}
- 31/20 . . Heating arrangements {; Ventilation}
- 31/22 . Poultry runs {; Poultry houses, including auxiliary features, e.g. feeding, watering, demanuring ([air-conditioning of poultry runs or houses \[A01K 1/0047\]\(#\)](#))}
- 31/24 . Dovecots; Pigeon lofts

33/00 Nest-eggs

35/00	Marking poultry or other birds {(marking meat A22C 17/10)}
37/00	Constraining birds, e.g. wing clamps
39/00	Feeding or drinking appliances for poultry or other birds {(A01K 31/005, A01K 31/06, A01K 31/17 take precedence)}
39/01	. Feeding devices, {e.g. chainfeeders}(A01K 39/04 takes precedence; {panfeeding systems, feeding pans A01K 39/0125 })
39/0106	. . {for solid feed, e.g. grit-cake holders (licking-stone holders for stock or game A01K 5/015)}
39/0113	. . {with means to prevent other animals or insects, e.g. squirrels or ants, from eating also}
39/012	. . filling automatically {, e.g. by gravity from a reserve}
39/0125	. . . {Panfeeding systems; Feeding pans therefor}
39/014	. . Feed troughs; Feed throwers
39/02	. Drinking appliances (A01K 39/04 takes precedence)
39/0206	. . {Drinkers especially adapted for feeding hummingbirds}
39/0213	. . {Nipple drinkers}
39/022	. . with weight-controlled supply
39/024	. . with float-controlled supply
39/026	. . kept filled to constant level from incorporated storage
39/04	. Combined feeding and drinking appliances {, e.g. also for batteries}
39/06	. Cramming appliances {, e.g. helical force-feeders}
41/00	Incubators for poultry
41/02	. Heating arrangements
41/023	. . {Devices for regulating temperature}
41/026	. . {Heating with water}
41/04	. Controlling humidity in incubators
41/06	. Egg-turning appliances for incubators
41/065	. . {Egg drawers}
43/00	Testing, sorting or cleaning eggs (investigating or analysing eggs, e.g. by candling G01N 33/08); {Conveying devices (for batteries A01K 31/165); Pick-up devices}
43/005	. {Cleaning, washing of eggs}
43/04	. Grading eggs
43/06	. . according to size
43/08	. . according to weight
43/10	. . Grading and stamping
45/00	Other aviculture appliances, e.g. devices for determining whether a bird is about to lay
45/002	. {Bird baths or showers}
45/005	. {Harvesting or transport of poultry}
45/007	. {Injecting or otherwise treating hatching eggs}

Apiculture {(rearing insects in general [A01K 67/00](#))}

47/00	Beehives
47/02	. Construction or arrangement of frames for honeycombs
47/04	. Artificial honeycombs
47/06	. Other details of beehives, e.g. ventilating devices, entrances to hives, guards, partitions or bee escapes
49/00	Rearing-boxes; Queen transporting or introducing cages

51/00	Appliances for treating beehives or parts thereof, e.g. for cleaning or disinfecting
53/00	Feeding or drinking appliances for bees
55/00	Bee-smokers; Bee-keepers' accessories, e.g. veils
57/00	Appliances for providing, preventing or catching swarms; Drone-catching devices
59/00	Honey collection
59/02	. Devices for uncapping honeycombs
59/04	. Honey strainers {; Strainers with centrifuges or presses}
59/06	. Devices for extracting wax

Pisciculture; Aquaria; Terraria

61/00	Culture of aquatic animals (receptacles for live fish, e.g. aquaria, A01K 63/00)
61/10	. of fish
61/13	. . Prevention or treatment of fish diseases
61/17	. . Hatching, e.g. incubators
61/20	. of zooplankton, e.g. water fleas or Rotatoria
61/30	. of sponges, sea urchins or sea cucumbers
61/40	. of annelids, e.g. lugworms or Eunice
61/50	. of shellfish (A01K 61/30 , A01K 61/40 take precedence)
61/51	. . of gastropods, e.g. abalones or turban snails
61/53	. . . Baskets therefor
61/54	. . of bivalves, e.g. oysters or mussels
61/55	. . . Baskets therefor
61/56	. . . for pearl production
61/57	. . . . Pearl seeds
61/59	. . of crustaceans, e.g. lobsters or shrimps
61/60	. Floating cultivation devices, e.g. rafts or floating fish-farms
61/65	. . Connecting or mooring devices therefor
61/70	. Artificial fishing banks or reefs
61/72	. . made of tyres
61/73	. . assembled of components (A01K 61/72 takes precedence)
61/75	. . floating (A01K 61/72 takes precedence)
61/77	. . of monolithic form, e.g. blocks
61/78	. . Arrangements for sinking or mooring thereof
61/80	. Feeding devices
61/85	. . for use with aquaria
61/90	. Sorting, grading, counting or marking live aquatic animals, e.g. sex determination
61/95	. . specially adapted for fish
63/00	Receptacles for live fish, e.g. aquaria (keepnets or other containers for keeping captured fish A01K 97/20); Terraria
63/003	. {Aquaria; Terraria (A01K 63/04 , A01K 63/06 take precedence)}
63/006	. . {Accessories for aquaria or terraria}
63/02	. Receptacles specially adapted for transporting live fish
63/04	. Arrangements for treating water specially adapted to receptacles for live fish
63/042	. . {Introducing gases into the water, e.g. aerators, air pumps}
63/045	. . {Filters for aquaria}
63/047	. . {Liquid pumps for aquaria (air pumps for aquaria A01K 63/042)}

- 63/06 . Arrangements for heating or lighting in, or attached to, receptacles for live fish
- 63/065 . . {Heating or cooling devices}
- 63/10 . Cleaning bottoms or walls of ponds or receptacles
- 65/00 Fish stringers** {(devices for threading fish on strings [A22C 25/10](#))}
- 67/00 Rearing or breeding animals, not otherwise provided for; New breeds of animals**
- NOTE**
In this group the following term is used with the meaning indicated:
 - "breeding" means obtaining animals up to and including their birth or hatching.
- 67/02 . Breeding vertebrates
- NOTE**
{Documents relating to new peptides or new DNA or its corresponding mRNA encoding for peptides, and their use for the obtention of transgenic animals, are classified in subclass [C07K](#) or in group [C12N 9/00](#) according to the peptides, with the appropriate indexing codes}
- 67/027 . New breeds of vertebrates
- NOTE**
In group [A01K 67/027](#), it is desirable to add the indexing codes of [A01K 2267/00](#) and subgroups relating to animals characterised by species. In group [A01K 67/027](#) it is desirable to add the indexing codes of [A01K 2267/00](#) and subgroups relating to animals characterised by their purpose
- 67/0271 . . {Chimeric animals, e.g. comprising exogenous cells}
- 67/0273 . . {Cloned animals}
- 67/0275 . . {Genetically modified vertebrates, e.g. transgenic}
- 67/0276 . . . {Knockout animals}
- 67/0278 . . . {Humanized animals, e.g. knockin}
- 67/033 . Rearing or breeding invertebrates; New breeds of invertebrates
- NOTE**
In group [A01K 67/033](#), it is desirable to add the indexing codes relating to transgenic animals.
In group [A01K 67/033](#), it is desirable to add the indexing codes relating to animals characterised by their purpose
- 67/0331 . . {Snails ([A01K 67/0333](#) takes precedence)}
- 67/0332 . . {Earthworms ([A01K 67/0333](#) takes precedence)}
- 67/0333 . . {Genetically modified invertebrates, e.g. transgenic, polyploid}
- 67/0334 . . . {Genetically modified Molluscs}
- 67/0335 . . . {Genetically modified worms}
- 67/0336 {Genetically modified Nematodes, e.g. *Caenorhabditis elegans*}
- 67/0337 . . . {Genetically modified Arthropods}
- 67/0338 {Genetically modified Crustaceans}
- 67/0339 {Genetically modified insects, e.g. *Drosophila melanogaster*, medfly}

- 67/04 . . Silkworms {([A01K 67/0333](#) takes precedence)}

Fishing (fish stringers [A01K 65/00](#))

- 69/00 Stationary catching devices**
- 69/02 . Fixed nets without traps
- 69/04 . Fixed nets with traps
- 69/06 . Traps
- 69/08 . . Rigid traps, e.g. lobster pots
- 69/10 . . Collapsible traps
- 71/00 Floating nets** {(if drawn [A01K 73/00](#))}
- 73/00 Drawn nets**
- 73/02 . Trawling nets
- 73/025 . . {Regulation of net depth}
- 73/04 . . Devices for spreading or positioning, e.g. control thereof
- 73/045 . . . for lateral sheering, e.g. trawl boards
- 73/05 . . . for vertical sheering
- 73/053 . . . Ground-line rollers
- 73/06 . . Hauling devices for the headlines {, also for nets; Winches ([A01K 73/12](#) takes precedence)}
- 73/10 . . Determining the quantity of the catch, e.g. by the pull or drag on the lines
- 73/12 . Nets held vertically in the water, e.g. seines
- 74/00 Other catching nets or the like**
- 75/00 Accessories for nets; Details of nets, e.g. structure**
- 75/02 . Illuminating devices for nets
- 75/04 . Floats
- 75/06 . Sinkers
- 77/00 Landing-nets; Landing-spoons**
- 79/00 Methods or means of catching fish in bulk not provided for in groups [A01K 69/00](#) - [A01K 77/00](#), {e.g. fish pumps; Detection of fish; Whale fishery}**
- 79/02 . by electrocution {; Attracting or stunning fish; Scaring sharks}
- 80/00 Harvesting oysters, mussels, sponges or the like**
- 81/00 Fishing with projectiles** (weapons, projectiles other than fish-spears [F41](#), [F42](#))
- 81/04 . Fish-spears
- 81/06 . Equipment for hunting fish under water (swimming equipment [A63B 31/00](#) - [A63B 35/00](#))

Angling

- 83/00 Fish-hooks** {(making fish-hooks [B21F 45/12](#))}
- 83/02 . Expanding fish-hook assembly
- 83/04 . with special gripping arms
- 83/06 . Devices for holding bait on hooks {(baiting trotlines [A01K 91/18](#); non-living bait [A01K 97/045](#))}
- 85/00 Artificial baits, {i.e. Lures}**
- 85/005 . {without hooks}
- 85/01 . with light emission, sound emission, scent dispersal or the like
- 85/02 . with means for concealing or protecting hooks, e.g. to prevent entanglement with weeds
- 85/08 . Artificial flies
- 85/10 . with at least one flat rotating body having its axis of rotation substantially non-coincident with the longitudinal axis of the body {, e.g. spinners}

- 85/12 . comprising a body rotating around its longitudinal axis, e.g. devons
- 85/14 . with flat, or substantially flat, undulating bodies, e.g. spoons
- 85/16 . with other than flat, or substantially flat, undulating bodies, e.g. plugs
- 85/18 . . in two or more pieces
- 87/00 Rods**
- 87/002 . {with the line passing through the hollow rod}
- 87/005 . . {comprising internal line guides}
- 87/007 . {with built-in accessories, e.g. lighting means or measuring devices}
- 87/02 . Connecting devices for parts of the rods
- 87/025 . . {telescopic}
- 87/04 . Fishing-line guides on rods {, e.g. tips ([internal line guides A01K 87/005](#))}
- 87/06 . Devices for fixing reels on rods
- 87/08 . Handgrips
- 87/085 . . {Heating devices or other means to protect against the cold}
- 89/00 Reels**
- 89/003 . {Devices for transferring line to a reel}
- 89/004 . {Alternate right or left side drives}
- 89/006 . {Hand crank features}
- 89/009 . . {Collapsible or extensible}
- 89/01 . with pick-up, i.e. with the guiding member rotating and the spool not rotating during normal retrieval of the line ([A01K 89/027 takes precedence](#))
- 89/0102 . . {with a closed face}
- 89/01025 . . . {with line snubber shifted by a remote actuator}
- 89/01026 {with rotor and snubber shiftable axially}
- 89/01029 {with guiding members shifted radially}
- 89/0105 . . {Multi-speed mechanisms}
- 89/0106 . . {Ratchet-type drives}
- 89/0108 . . {Pick-up details}
- 89/01081 . . . {Guiding members on rotor axially rearward of spool}
- 89/01082 {Guiding members shiftable on rotor}
- 89/01083 {to wind position by rotor drive}
- 89/01084 {Guiding members shifted to unwind position by discrete manual operators}
- 89/01085 . . . {Guiding members on rotor forward of spool ([A01K 89/0102 takes precedence](#))}
- 89/01086 {with rotor drive shifting the guiding member to unwind and wind positions}
- 89/01087 {with manual actuator to shift guiding member to unwind position}
- 89/01088 {Actuators forward of spool}
- 89/0111 . . {Spool details}
- 89/01121 . . {Frame details}
- 89/011221 . . . {with line or water shields}
- 89/011222 . . . {with lubrication features}
- 89/011223 . . . {with bearing features}
- 89/01123 . . . {Frame disassembly features}
- 89/01124 {Hinged frame sections}
- 89/01125 {Rotated joints}
- 89/01126 {Threaded}
- 89/01127 . . . {Reel supports}
- 89/0113 . . {Spool locking devices on spool shaft}
- 89/0114 . . {Reciprocating mechanisms}
- 89/01141 {including eccentric cams reciprocating the spool}
- 89/01142 {for reciprocating the guiding member}
- 89/01143 {Reversely threaded screws}
- 89/0117 . . {Anti-reverse mechanisms}
- 89/0118 . . . {defining home position of reel part}
- 89/012 . . motor-driven
- 89/0121 . . . {Spring motors}
- 89/0122 . . {with unwinding indicators, e.g. bell or flashing light}
- 89/0123 . . . {Clicking indicators, e.g. flexible pawl and toothed member}
- 89/0124 {Spring biased pawls}
- 89/0125 {Plural spring sections}
- 89/0126 . . {with line unwinding limiters}
- 89/015 . with {a} rotary drum {, i.e. with a rotating spool} ([A01K 89/033 takes precedence](#))
- 89/0155 . . Antibacklash devices
- 89/01555 . . . {using magnets}
- 89/01556 . . . {Line tension responsive actuators}
- 89/01557 . . . {Centrifugal}
- 89/016 . . Fly reels {, i.e. with a stub shaft support}
- 89/0162 . . . {with a releasable latch to retain spool on shaft}
- 89/0165 . . for trolling
- 89/017 . . motor-driven
- 89/0171 . . . {Spring motors}
- 89/0172 {actuated in response to pull on line}
- 89/0173 {with independent manual drive}
- 89/0174 {with spring chargers}
- 89/0175 . . {Axial unwinding}
- 89/0176 . . . {with guide shiftable between wind and unwind positions}
- 89/0178 . . {with unwinding indicators, e.g. a bell or a flashing light}
- 89/0179 . . . {Clicking indicators, e.g. flexible pawl and toothed member}
- 89/018 . . . {Spring biased pawls}
- 89/0181 {Plural spring sections}
- 89/0182 . . {with line unwinding limiters}
- 89/0183 . . {Drive mechanism details}
- 89/0184 . . . {Multiple drive ratio}
- 89/0185 . . . {Ratchet-type drive}
- 89/0186 . . . {with disengageable positive drive components, e.g. a clutch}
- 89/0187 {having alternative yieldable mechanism}
- 89/0188 {Axially engaged}
- 89/0189 {Coaxial of spool}
- 89/01901 {Reengageable responsive to drive rotation}
- 89/01902 {Gear pair}
- 89/01903 . . . {with yieldable drive coupling, e.g. friction or fluid clutch}
- 89/01904 {adjustable by crank manipulation}
- 89/01905 {adjustable within distinct ranges}
- 89/01906 {between drive shaft and crank}
- 89/01907 {between drive shaft and gear}
- 89/01908 {Coaxial with spool}
- 89/01909 {Axially applied}
- 89/0191 {by centre pin}
- 89/01911 . . . {with feed roller}
- 89/01912 . . . {with level winding}
- 89/019125 {Line shifts along a rotatable cam bar}

89/01913	. . . . {Line traction guide wheels}	91/06	. Apparatus on lines not otherwise provided for, e.g. automatic hookers
89/01914	. . . . {Manually shifted guides}	91/065	. . {Jiggling devices, i.e. devices for moving the lure}
89/01915	. . . . {the drive mechanism oscillating the guide}	91/08	. . Trolling devices
89/01916	. . . . {the drive mechanism reciprocating the guide}	91/10	. . for automatic hook setting
89/01917	. . . . . {Reversely threaded screw}	91/12	. Fly lines
89/01918	. . . . . {Guide shiftable between wind and unwind positions}	91/14	. Leaders
89/01919	. . . . . {Guide having line removal opening}	91/16	. . for fly fishing
89/0192	. . {Frame details}	91/18	. Trotlines, longlines; Accessories therefor, e.g. baiting devices, lifters or setting reelers
89/01921	. . . {Frame disassembly features}	91/20	. Line length or depth measuring devices
89/01922	. . . . {Hinged frame sections}	93/00	Floats for angling, with or without signalling devices
89/01923	. . . . {Rotated joints}	93/02	. with signalling devices
89/01924	. . . . . {Threaded}	95/00	Sinkers for angling (for trawling A01K 75/06)
89/01925	. . . {Reel supports, e.g. reel feet}	95/005	. {Sinkers not containing lead}
89/01928	. . . {with line or water shields}	95/02	. Devices for fixing on or removing sinkers from lines
89/01929	. . . {with lubrication features}	97/00	Accessories for angling (fish stringers A01K 65/00; landing-nets or landing-spoons for fishing A01K 77/00); fish finder G01S 15/96}
89/0193	. . . {with bearing features}	97/01	. for ice-fishing {; Ice drilling, hook-setting or signalling devices}
89/01931	. . {Spool or spool shaft details (spool details in reel with pick-up A01K 89/0111)}	97/02	. Devices for laying ground-bait, e.g. chum dispensers {, e.g. also for throwing ground-bait}
89/02	. Brake devices for reels	97/04	. Containers for bait; Preparation of bait
89/027	. . with pick-up {, i.e. for reels with the guiding member rotating and the spool not rotating during normal retrieval of the line}	97/045	. . {Preparation of bait; Ingredients}
89/0275	. . . {with closed face}	97/05	. . Containers for live bait kept in water, e.g. for minnows or shrimps
89/028	. . . {Continuously applied (for closed face reels A01K 89/0275)}	97/06	. Containers or holders for hooks, lines, sinkers, flies or the like
89/029	. . . . {between spool shaft and frame}	97/08	. Containers for rods
89/03	. . . . {between spool and spool shaft}	97/10	. Supports for rods
89/033	. . with {a} rotary drum {, i.e. for reels with a rotating spool (antibacklash devices A01K 89/0155)}	97/11	. . with automatic hooking devices
89/045	. . . {Spool bearing brake}	97/12	. Signalling devices, e.g. tip-up devices (A01K 91/06 takes precedence {; for floats A01K 93/02 ; for ice-fishing A01K 97/01 ; for supports A01K 97/10)}
89/046	. . . {Manual pressure control}	97/125	. . {using electronic components}
89/047	. . . . {Radially applied}	97/14	. Gaffs
89/048	. . . . . {Rolling contact}	97/16	. Devices for drying fishing lines
89/049	. . . . . {Separable attachments}	97/18	. for removing fish-hooks from the fish
89/05	. . . {Brakes connected to the spool by one-way clutch}	97/20	. Keepnets or other containers for keeping captured fish (A01K 97/05 takes precedence)
89/051	. . . {Adjustable pressure pawls, e.g. braking clickers}	97/22	. Platforms or seat-boxes specially adapted for angling, e.g. tackle boxes for use as seats
89/052	. . . {Positive}	97/24	. Arrangements for disengaging fish-hooks from obstacles
89/053	. . . . {One-way}	97/26	. Fly tying devices
89/054	. . . . . {with disabler}	97/28	. . Vices specially adapted therefor
89/055	. . . . . {Rotation responsive}	99/00	Methods or apparatus for fishing not provided for in groups A01K 69/00 - A01K 97/00
89/056	. . . {Radially engaged}		
89/057	. . . {Axially engaged}		
89/058	. . . . {Coaxial with spool}		
89/059	. . . . {on adjustable lever}		
89/06	. Reversible reels {, i.e. with spool axis shiftable between winding and unwinding positions}		
89/08	. Pole-less fishing apparatus, i.e. hand-held reels		
89/081	. . {Axial unwinding}		
91/00	Lines		
91/02	. Devices for casting lines		
91/03	. Connecting devices (devices for fixing on or removing sinkers from lines A01K 95/02)		
91/04	. . for connecting lines to hooks or lures		
91/047	. . for connecting lines to lines		
91/053	. . Fishing booms, i.e. connecting devices spreading out the leaders, e.g. to avoid tangling thereof		
		2207/00	Modified animals
		2207/05	. Animals modified by non-integrating nucleic acids, e.g. antisense, RNAi, morpholino, episomal vector, for non-therapeutic purpose
		2207/10	. Animals modified by protein administration, for non-therapeutic purpose

- 2207/12 . Animals modified by administration of exogenous cells
- 2207/15 . Humanized animals

NOTE

This group covers animals comprising human nucleic acids, proteins or cells. Classification in this group should be done in combination with A01K 2217/00 codes.

- 2207/20 . Animals treated with compounds which are neither proteins nor nucleic acids
- 2207/25 . Animals on a special diet
- 2207/30 . Animals modified by surgical methods
- 2207/35 . Animals modified by environmental factors, e.g. temperature, O₂

2217/00 Genetically modified animals

- 2217/03 . Animals modified by random mutagenesis, e.g. using ENU, chemicals
- 2217/05 . Animals comprising random inserted nucleic acids (transgenic)
 - 2217/052 . . inducing gain of function
 - 2217/054 . . inducing loss of function
 - 2217/056 . . . due to mutation of coding region of the transgene (dominant negative)
 - 2217/058 . . . due to expression of inhibitory nucleic acid, e.g. siRNA, antisense
- 2217/07 . Animals genetically altered by homologous recombination
 - 2217/072 . . maintaining or altering function, i.e. knock in
 - 2217/075 . . inducing loss of function, i.e. knock out
 - 2217/077 . . . heterozygous knock out animals displaying phenotype
- 2217/15 . Animals comprising multiple alterations of the genome, by transgenesis or homologous recombination, e.g. obtained by cross-breeding
- 2217/20 . Animal model comprising regulated expression system
- 2217/203 . . Animal model comprising inducible/conditional expression system, e.g. hormones, tet
- 2217/206 . . Animal model comprising tissue-specific expression system, e.g. tissue specific expression of transgene, of Cre recombinase
- 2217/30 . Animal model comprising expression system for selective cell killing, e.g. toxins, enzyme dependent prodrug therapy using ganciclovir

2227/00 Animals characterised by species

- 2227/10 . Mammal
 - 2227/101 . . Bovine
 - 2227/102 . . Caprine
 - 2227/103 . . Ovine
 - 2227/105 . . Murine
 - 2227/106 . . Primate
 - 2227/107 . . Rabbit
 - 2227/108 . . Swine
- 2227/30 . Bird
- 2227/40 . Fish
- 2227/50 . Amphibians, e.g. Xenopus
- 2227/70 . Invertebrates
 - 2227/703 . . Worms, e.g. Caenorhabditis elegans
 - 2227/706 . . Insects, e.g. Drosophila melanogaster, medfly

2267/00 Animals characterised by purpose

- 2267/01 . Animal expressing industrially exogenous proteins
- 2267/02 . Animal zootechnically ameliorated
- 2267/025 . . Animal producing cells or organs for transplantation
 - 2267/03 . . Animal model, e.g. for test or diseases
 - 2267/0306 . . . Animal model for genetic diseases
 - 2267/0312 Animal model for Alzheimer's disease
 - 2267/0318 Animal model for neurodegenerative disease, e.g. non- Alzheimer's
 - 2267/0325 Animal model for autoimmune diseases
 - 2267/0331 Animal model for proliferative diseases
 - 2267/0337 Animal models for infectious diseases
 - 2267/0343 Animal model for prion disease
 - 2267/035 Animal model for multifactorial diseases
 - 2267/0356 Animal model for processes and diseases of the central nervous system, e.g. stress, learning, schizophrenia, pain, epilepsy
 - 2267/0362 Animal model for lipid/glucose metabolism, e.g. obesity, type-2 diabetes
 - 2267/0368 Animal model for inflammation
 - 2267/0375 Animal model for cardiovascular diseases
 - 2267/0381 Animal model for diseases of the hematopoietic system
 - 2267/0387 Animal model for diseases of the immune system
 - 2267/0393 Animal model comprising a reporter system for screening tests