

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}
- 1/029 . . . {Boxes, bags, cages, baskets, harnesses especially adapted for carrying the animal on the body of a person (baby carriers [A47D 13/02](#))}
- 1/03 . . Housing for domestic or laboratory animals
- 1/031 . . . {Cages for laboratory animals; Cages for measuring metabolism of animals}
- 1/032 . . . {Rabbit-hutches or cages}
- 1/033 . . . {Cat or dog houses}
- 1/034 {Dog-kennels}
- 1/035 . . Devices for use in keeping domestic animals, e.g. fittings in housings or dog beds
- 1/0353 . . . {Dog beds}
- 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](#))}
- 1/04 . . Tethering-poles or the like
- 1/06 . . Devices for fastening animals, e.g. halters, toggles, neck-bars or chain fastenings
- 1/0606 . . {by means of grids with or without movable locking bars ([A01K 1/08](#) takes precedence)}
- 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](#))}
- 1/062 . . Neck-bars {, e.g. neck collars}
- 1/064 . . Chain fastenings
- 1/08 . . Arrangements for simultaneously releasing several animals
- 1/10 . . Feed racks
- 1/105 . . {Movable feed barriers, slides or fences}
- 1/12 . . Milking stations
- 1/123 . . {Mobile milking parlours}
- 1/126 . . {Carousels}
- 3/00** **Pasturing equipment, e.g. tethering devices; Grids for preventing cattle from straying; Electrified wire fencing (electric circuits or apparatus for supplying electric wire fencing [H05C](#))**
- WARNING**
- Group [A01K 3/00](#) is impacted by reclassification into group [A01K 3/001](#).
- Groups [A01K 3/00](#) and [A01K 3/001](#) should be considered in order to perform a complete search.
- 3/001 . . {Portable, temporary, and collapsible fencing for pastures}
- WARNING**
- Group [A01K 3/001](#) is incomplete pending reclassification of documents from group [A01K 3/00](#).
- Groups [A01K 3/00](#) and [A01K 3/001](#) should be considered in order to perform a complete search.
- 3/002 . . {Grids for preventing cattle from straying through an open passage of an enclosure}
- WARNING**
- Group [A01K 3/002](#) is impacted by reclassification into group [A01K 3/004](#).
- Groups [A01K 3/002](#) and [A01K 3/004](#) should be considered in order to perform a complete search.
- 3/004 . . {of electrical type, e.g. tape, wire, or rod}
- WARNING**
- Group [A01K 3/004](#) is incomplete pending reclassification of documents from group [A01K 3/002](#).
- Groups [A01K 3/002](#) and [A01K 3/004](#) should be considered in order to perform a complete search.
- 3/005 . . {Electrified fencing for pastures}
- WARNING**
- Group [A01K 3/005](#) is impacted by reclassification into group [A01K 3/006](#).
- Groups [A01K 3/005](#) and [A01K 3/006](#) should be considered in order to perform a complete search.
- 3/006 . . {Gates specially adapted therefor}
- WARNING**
- Group [A01K 3/006](#) is incomplete pending reclassification of documents from group [A01K 3/005](#).
- Groups [A01K 3/005](#) and [A01K 3/006](#) should be considered in order to perform a complete search.
- 2003/007 . . {Fencing and guiding systems for amphibia}
- 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}**
- 5/001 . . {Fodder distributors with mixer or shredder (adaptations of cutting machine [A01F 29/00](#))}
- 5/002 . . {with mixing or shredding element rotating on horizontal axis}
- 5/004 . . {with mixing or shredding element rotating on vertical axis}
- 5/005 . . {where fodder, e.g. bales, is conveyed by conveyor or slide to mixing or shredding elements on transversal and horizontal axes}
- 5/007 . . {with mixing or shredding area contained inside an endless chain or belt conveyor}
- 5/008 . . {Feed bags}
- 5/01 . . Feed troughs; Feed pails {([A01K 1/10](#) takes precedence)}
- 5/0107 . . {Transportable fodder pails or troughs}
- 5/0114 . . {Pet food dispensers; Pet food trays (time-controlled [A01K 5/0291](#))}
- 5/0121 . . . {Disposable pet feeders}
- 5/0128 . . . {Pet feeders including liners; liners therefor; Means for holding liners to pet feeders}
- 5/0135 . . . {with means for preventing or catching spillage}

- 5/0142 . . . {with means for preventing other animals or insects from eating}
- 5/015 . Licking-stone holders {; Other dispensers for minerals}
- 5/02 . Automatic devices {(automatic identification devices for stock [A01K 11/006](#))}
- 5/0208 . . {with conveyor belts or the like}
- 5/0216 . . {for the distribution of liquid fodder ([A01K 9/00](#) takes precedence)}
- 5/0225 . . {Gravity replenishment from a reserve, e.g. a hopper (for poultry [A01K 39/012](#))}
- 5/0233 . . . {dispensing by dosing means actively operated by the animal}
- 5/0241 . . . {dispensing by means of stirring mechanisms or agitators operated by the animal}
- 5/025 . . {with doors or lids activated by the animals to access feeding place or trough}
- 5/0258 . . {with endless screws}
- 5/0266 . . {with stable trolleys, e.g. suspended}
- 5/0275 . . {with mechanisms for delivery of measured doses ([A01K 5/0233](#) takes precedence)}
- 5/0283 . . . {by weight}
- 5/0291 . . {with timing mechanisms, e.g. pet feeders}
- 7/00 Watering equipment for stock or game**
- 7/005 . {Drinking bowls with anti-splash or anti-spilling features}
- 7/02 . Automatic devices {; Medication dispensers}
- 7/022 . . {Pumps actuated by the drinking animal}
- 7/025 . . {Water tanks}
- 7/027 . . {Drinking equipment with water heaters, coolers or means for preventing freezing}
- 7/04 . . actuated by float
- 7/06 . . actuated by the animal {(for poultry [A01K 39/0213](#))}
- 9/00 Sucking apparatus for young stock {; Devices for mixing solid food with liquids}**
- 9/005 . {Teats or nipples (teats for feeding bottles for humans [A61J 11/00](#))}
- 11/00 Marking of animals (marking poultry or other birds [A01K 35/00](#))**
- 11/001 . {Ear-tags}
- 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 2227/00](#) 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	87/002	. {with the line passing through the hollow rod}
71/00	Floating nets {(if drawn A01K 73/00)}	87/005	. . {comprising internal line guides}
73/00	Drawn nets	87/007	. {with built-in accessories, e.g. lighting means or measuring devices}
73/02	. Trawling nets	87/02	. Connecting devices for parts of the rods
73/025	. . {Regulation of net depth}	87/025	. . {telescopic}
73/04	. . Devices for spreading or positioning, e.g. control thereof	87/04	. Fishing-line guides on rods {, e.g. tips (internal line guides A01K 87/005)}
73/045	. . . for lateral sheering, e.g. trawl boards	87/06	. Devices for fixing reels on rods
73/05	. . . for vertical sheering	87/08	. Handgrips
73/053	. . . Ground-line rollers	87/085	. . {Heating devices or other means to protect against the cold}
73/06	. . Hauling devices for the headlines {, also for nets; Winches (A01K 73/12 takes precedence) }	89/00	Reels
73/10	. . Determining the quantity of the catch, e.g. by the pull or drag on the lines	89/003	. {Devices for transferring line to a reel}
73/12	. Nets held vertically in the water, e.g. seines	89/004	. {Alternate right or left side drives}
74/00	Other catching nets or the like	89/006	. {Hand crank features}
75/00	Accessories for nets; Details of nets, e.g. structure	89/009	. . {Collapsible or extensible}
75/02	. Illuminating devices for nets	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)
75/04	. Floats	89/0102	. . {with a closed face}
75/06	. Sinkers	89/01025	. . . {with line snubber shifted by a remote actuator}
77/00	Landing-nets; Landing-spoons	89/01026	. . . . {with rotor and snubber shiftable axially}
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}	89/01029	. . . . . {with guiding members shifted radially}
79/02	. by electrocution {; Attracting or stunning fish; Scaring sharks}	89/0105	. . {Multi-speed mechanisms}
80/00	Harvesting oysters, mussels, sponges or the like	89/0106	. . {Ratchet-type drives}
81/00	Fishing with projectiles (weapons, projectiles other than fish-spears F41, F42)	89/0108	. . {Pick-up details}
81/04	. Fish-spears	89/01081	. . . {Guiding members on rotor axially rearward of spool}
81/06	. Equipment for hunting fish under water (swimming equipment A63B 31/00 - A63B 35/00)	89/01082	. . . . {Guiding members shiftable on rotor}
Angling		89/01083	. . . . . {to wind position by rotor drive}
83/00	Fish-hooks {(making fish-hooks B21F 45/12)}	89/01084	. . . . . {Guiding members shifted to unwind position by discrete manual operators}
83/02	. Expanding fish-hook assembly	89/01085	. . . . {Guiding members on rotor forward of spool (A01K 89/0102 takes precedence)}
83/04	. with special gripping arms	89/01086	. . . . . {with rotor drive shifting the guiding member to unwind and wind positions}
83/06	. Devices for holding bait on hooks {(baiting trotlines A01K 91/18 ; non-living bait A01K 97/045)}	89/01087	. . . . . {with manual actuator to shift guiding member to unwind position}
85/00	Artificial baits, {i.e. Lures}	89/01088	. . . . . {Actuators forward of spool}
85/005	. {without hooks}	89/0111	. . {Spool details}
85/01	. with light emission, sound emission, scent dispersal or the like	89/01121	. . {Frame details}
85/02	. with means for concealing or protecting hooks, e.g. to prevent entanglement with weeds	89/011221	. . . {with line or water shields}
85/08	. Artificial flies	89/011222	. . . {with lubrication features}
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}	89/011223	. . . {with bearing features}
85/12	. comprising a body rotating around its longitudinal axis, e.g. devons	89/01123	. . . {Frame disassembly features}
85/14	. with flat, or substantially flat, undulating bodies, e.g. spoons	89/01124	. . . . {Hinged frame sections}
85/16	. with other than flat, or substantially flat, undulating bodies, e.g. plugs	89/01125	. . . . . {Rotated joints}
85/18	. . in two or more pieces	89/01126	. . . . . {Threaded}
87/00	Rods	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}
- 89/01914 {Manually shifted guides}
- 89/01915 {the drive mechanism oscillating the guide}
- 89/01916 {the drive mechanism reciprocating the guide}
- 89/01917 {Reversely threaded screw}
- 89/01918 {Guide shiftable between wind and unwind positions}
- 89/01919 {Guide having line removal opening}
- 89/0192 . . {Frame details}
- 89/01921 . . . {Frame disassembly features}
- 89/01922 {Hinged frame sections}
- 89/01923 {Rotated joints}
- 89/01924 {Threaded}
- 89/01925 . . . {Reel supports, e.g. reel feet}
- 89/01928 . . . {with line or water shields}
- 89/01929 . . . {with lubrication features}
- 89/0193 . . . {with bearing features}
- 89/01931 . . {Spool or spool shaft details ([spool details in reel with pick-up A01K 89/0111](#))}
- 89/02 . Brake devices for reels
- 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}
- 89/0275 . . . {with closed face}
- 89/028 . . . {Continuously applied ([for closed face reels A01K 89/0275](#))}
- 89/029 {between spool shaft and frame}
- 89/03 {between spool and spool shaft}
- 89/033 . . with {a} rotary drum {, i.e. for reels with a rotating spool ([antibacklash devices A01K 89/0155](#))}
- 89/045 . . . {Spool bearing brake}
- 89/046 . . . {Manual pressure control}
- 89/047 {Radially applied}
- 89/048 {Rolling contact}
- 89/049 {Separable attachments}
- 89/05 . . . {Brakes connected to the spool by one-way clutch}
- 89/051 . . . {Adjustable pressure pawls, e.g. braking clickers}
- 89/052 . . . {Positive}
- 89/053 {One-way}
- 89/054 {with disabler}
- 89/055 {Rotation responsive}
- 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
- 91/06 . Apparatus on lines not otherwise provided for, e.g. automatic hookers
- 91/065 . . {Jiggling devices, i.e. devices for moving the lure}
- 91/08 . . Trolling devices
- 91/10 . . for automatic hook setting
- 91/12 . Fly lines
- 91/14 . Leaders
- 91/16 . . for fly fishing

91/18	• Trotlines, longlines; Accessories therefor, e.g. baiting devices, lifters or setting reelers	2207/20	• Animals treated with compounds which are neither proteins nor nucleic acids
91/20	• Line length or depth measuring devices	2207/25	• Animals on a special diet
93/00	Floats for angling, with or without signalling devices	2207/30	• Animals modified by surgical methods
93/02	• with signalling devices	2207/35	• Animals modified by environmental factors, e.g. temperature, O ₂
95/00	Sinkers for angling (for trawling A01K 75/06)	2217/00	Genetically modified animals
95/005	• {Sinkers not containing lead}	2217/03	• Animals modified by random mutagenesis, e.g. using ENU, chemicals
95/02	• Devices for fixing on or removing sinkers from lines	2217/05	• Animals comprising random inserted nucleic acids (transgenic)
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}	2217/052	• . inducing gain of function
97/01	• for ice-fishing {; Ice drilling, hook-setting or signalling devices}	2217/054	• . inducing loss of function
97/02	• Devices for laying ground-bait, e.g. chum dispensers {, e.g. also for throwing ground-bait}	2217/056	• . . due to mutation of coding region of the transgene (dominant negative)
97/04	• Containers for bait; Preparation of bait	2217/058	• . . due to expression of inhibitory nucleic acid, e.g. siRNA, antisense
97/045	• . {Preparation of bait; Ingredients}	2217/07	• Animals genetically altered by homologous recombination
97/05	• . Containers for live bait kept in water, e.g. for minnows or shrimps	2217/072	• . maintaining or altering function, i.e. knock in
97/06	• Containers or holders for hooks, lines, sinkers, flies or the like	2217/075	• . inducing loss of function, i.e. knock out
97/08	• Containers for rods	2217/077	• . . heterozygous knock out animals displaying phenotype
97/10	• Supports for rods	2217/15	• Animals comprising multiple alterations of the genome, by transgenesis or homologous recombination, e.g. obtained by cross-breeding
97/11	• . with automatic hooking devices	2217/20	• Animal model comprising regulated expression system
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 })	2217/203	• . Animal model comprising inducible/conditional expression system, e.g. hormones, tet
97/125	• . {using electronic components}	2217/206	• . Animal model comprising tissue-specific expression system, e.g. tissue specific expression of transgene, of Cre recombinase
97/14	• Gaffs	2217/30	• Animal model comprising expression system for selective cell killing, e.g. toxins, enzyme dependent prodrug therapy using ganciclovir
97/16	• Devices for drying fishing lines	2227/00	Animals characterised by species
97/18	• for removing fish-hooks from the fish	2227/10	• Mammal
97/20	• Keepnets or other containers for keeping captured fish (A01K 97/05 takes precedence)	2227/101	• . Bovine
97/22	• Platforms or seat-boxes specially adapted for angling, e.g. tackle boxes for use as seats	2227/102	• . Caprine
97/24	• Arrangements for disengaging fish-hooks from obstacles	2227/103	• . Ovine
97/26	• Fly tying devices	2227/105	• . Murine
97/28	• . Vices specially adapted therefor	2227/106	• . Primate
99/00	Methods or apparatus for fishing not provided for in groups A01K 69/00 - A01K 97/00	2227/107	• . Rabbit
<hr/>		2227/108	• . Swine
2207/00	Modified animals	2227/30	• Bird
2207/05	• Animals modified by non-integrating nucleic acids, e.g. antisense, RNAi, morpholino, episomal vector, for non-therapeutic purpose	2227/40	• Fish
2207/10	• Animals modified by protein administration, for non-therapeutic purpose	2227/50	• Amphibians, e.g. Xenopus
2207/12	• Animals modified by administration of exogenous cells	2227/70	• Invertebrates
2207/15	• Humanized animals	2227/703	• . Worms, e.g. Caenorhabditis elegans
	NOTE	2227/706	• . Insects, e.g. Drosophila melanogaster, medfly
	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.	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

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- 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