

CPC**COOPERATIVE PATENT CLASSIFICATION****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.

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

A01K 1/00

Housing animals; Equipment therefor (building construction, features of buildings [E04](#); ventilating buildings [F24F](#))

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

- A01K 1/0117 . . . {with conveying belts for removing excrement}
- A01K 1/0121 . . . {adapted to fit on conventional toilets}
- A01K 1/0125 . . . {Foldable or collapsible litter boxes}
- A01K 1/0128 . . {by means of scrapers or the like moving continuously}
- A01K 1/0132 . . {by means of scrapers or the like moving to-and-fro or step-by-step}
- A01K 1/0135 . . {by means of conveyer belts}
- A01K 1/0139 . . {by means of screw conveyers}
- A01K 1/0142 . . {by means of a moving piston}
- A01K 1/0146 . . {by means of manure-loaders, manure-ramps or manure-elevators associated with in-house removal systems ([independent manure-loaders A01C 3/04](#))}
- A01K 1/015 . Floor coverings, e.g. bedding-down sheets; {[Stable floors \(for poultry cages A01K 31/007\)](#)}
- A01K 1/0151 . . {Grids; Gratings; Slatted floors}
- A01K 1/0152 . . {Litter}
- A01K 1/0154 . . . {comprising inorganic material}
- A01K 1/0155 . . . {comprising organic material}
- A01K 1/0157 . . {Mats; Sheets}
- A01K 1/0158 . . {Floor heating or cooling systems}
- A01K 1/02 . Pigsties; Dog-kennels; Rabbit-hutches or the like
- A01K 1/0209 . . {Feeding pens for pigs or cattle}
- A01K 1/0218 . . {Farrowing or weaning crates}
- A01K 1/0227 . . {Battery cages for piglets}
- A01K 1/0236 . . {Transport boxes, bags, cages, baskets, harnesses for animals; Fittings therefor ([for poultry A01K 31/002](#); [for pigeons A01K 31/07](#))}
- A01K 1/0245 . . . {Boxes or cages}
- A01K 1/0254 . . . {Bags or baskets}
- A01K 1/0263 . . . {Harnesses}
- A01K 1/0272 . . . {Boxes, bags, cages, baskets, harnesses especially adapted for transport in or on automobiles}
- A01K 1/0281 . . . {Boxes, bags, cages, baskets, harnesses especially adapted for transport in or on bicycles or motorcycles}
- A01K 1/029 . . . {Boxes, bags, cages, baskets, harnesses especially adapted for carrying the animal on the body of a person ([baby carriers A47D 13/02](#))}
- A01K 1/03 . Housing for domestic or laboratory animals
- A01K 1/031 . . . {Cages for laboratory animals; Cages for measuring metabolism of animals}
- A01K 1/032 . . . {Rabbit-hutches or cages}
- A01K 1/033 . . . {Cat or dog houses}
- A01K 1/034 {Dog-kennels}
- A01K 1/035 . . Devices for use in keeping domestic animals, e.g. fittings in housings, dog beds

- A01K 1/0353 . . . {Dog beds}
- A01K 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](#))}
- A01K 1/04 . Tethering-poles or the like
- A01K 1/06 . Devices for fastening animals, e.g. halters, toggles, neck-bars, chain fastenings
- A01K 1/0606 . . {by means of grids with or without movable locking bars ([A01K 1/08](#) takes precedence)}
- A01K 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](#))}
- A01K 1/062 . . Neck-bars, {e.g. neck collars}
- A01K 1/064 . . Chain fastenings
- A01K 1/08 . Arrangements for simultaneously releasing several animals
- A01K 1/10 . Feed racks, {e.g. associated with enclosures or troughs} (devices for impeding movement of animals [A01K 15/04](#))
- A01K 1/105 . . {Movable feed barriers, slides or fences}
- A01K 1/12 . Milking stations (devices for milking [A01J 1/00](#) to [A01J 9/00](#))
- A01K 1/123 . . {Mobile milking parlours}
- A01K 1/126 . . {Carousels}

- A01K 3/00** **Pasturing equipment, e.g. tethering devices; {Guiding corridors; Corrals, e.g. portable, collapsible}; Grids for preventing cattle from straying; Electrified wire fencing (construction of fencing in general [E04H 17/00](#); electric circuits for fences [H05C](#))**
- A01K 3/002 . {Grids for preventing cattle from straying}
- A01K 3/005 . {Electrified wire fencing (circuits [H05C](#))}
- A01K 2003/007 . {Fencing and guiding systems for amphibia}

- A01K 5/00** **Feeding devices for stock or game ([A01K 1/10](#) takes precedence; for poultry [A01K 39/00](#)) {Feeding wagons; Feeding stacks}**
- A01K 5/001 . {Fodder distributors with mixer or shredder (adaptations of cutting machine [A01F 29/00](#))}
- A01K 5/002 . . {with mixing or shredding element rotating on horizontal axis}
- A01K 5/004 . . {with mixing or shredding element rotating on vertical axis}
- A01K 5/005 . . {where fodder, e.g. bales, is conveyed by conveyor or slide to mixing or shredding elements on transversal and horizontal axes}
- A01K 5/007 . . {with mixing or shredding area contained inside an endless chain or belt conveyor}
- A01K 5/008 . {Feed bags (nose-bags for oats [B68B 5/00](#))}
- A01K 5/01 . Feed troughs; Feed pails {([A01K 1/10](#) takes precedence)}
- A01K 5/0107 . . {Transportable fodder pails or troughs}
- A01K 5/0114 . . {Pet food dispensers; Pet food trays (time-controlled [A01K 5/0291](#))}
- A01K 5/0121 . . . {Disposable pet feeders}
- A01K 5/0128 . . . {Pet feeders with liners}

- A01K 5/0135 . . . {with means for preventing or catching spillage}
- A01K 5/0142 . . . {with means for preventing other animals or insects from eating}
- A01K 5/015 . Licking-stone holders (salt blocks [A23K 1/16](#)); {Other dispensers for minerals}
- A01K 5/02 . Automatic devices {(automatic identification devices for stock [A01K 11/006](#))}
- A01K 5/0208 . . {with conveyer belts or the like}
- A01K 5/0216 . . {for the distribution of liquid fodder ([A01K 9/00](#) takes precedence)}
- A01K 5/0225 . . {Gravity replenishment from a reserve, e.g. a hopper (for poultry [A01K 39/012](#))}
- A01K 5/0233 . . . {dispensing by dosing means actively operated by the animal}
- A01K 5/0241 . . . {dispensing by means of stirring mechanisms or agitators operated by the animal}
- A01K 5/025 . . . {with access to feeding place or trough only possible through access doors or lids to be opened by the animal}
- A01K 5/0258 . . {with endless screws}
- A01K 5/0266 . . {with stable trolleys, e.g. suspended}
- A01K 5/0275 . . {with mechanisms for delivery of measured doses ([A01K 5/0233](#) takes precedence)}
- A01K 5/0283 . . . {by weight}
- A01K 5/0291 . . {with timing mechanisms, e.g. pet feeders}

A01K 7/00**Watering equipment for stock or game**

- A01K 7/005 . {Drinking bowls with anti-splash or anti-spilling features}
- A01K 7/02 . Automatic devices, {e.g. actuated by weight of water; Medication dispensers} (construction of valves [F16K](#))
- A01K 7/022 . . {Pumps actuated by the drinking animal}
- A01K 7/025 . . {Water tanks}
- A01K 7/027 . . {Drinking equipment with water heaters, coolers or means for preventing freezing}
- A01K 7/04 . . actuated by float
- A01K 7/06 . . actuated by the animal {through valve control (for poultry [A01K 39/0213](#))}

A01K 9/00**Sucking apparatus for young stock; {Devices for mixing solid food with liquids}**

- A01K 9/005 . {Teats or nipples (teats for feeding bottles for humans [A61J 11/00](#))}

A01K 11/00**Marking of animals (of poultry [A01K 35/00](#); {of fish [A01K 61/001](#)}; lead-sealing pliers [B25B](#))**

- A01K 11/001 . {Ear-tags}
- A01K 11/002 . . {Pliers specially adapted for fixing ear-tags to ears}
- A01K 11/003 . . {with means for taking tissue samples, e.g. for DNA analysis}
- A01K 11/004 . . {with electronic identification means, e.g. transponders}
- A01K 11/005 . {Branding or tattooing devices for animals}

- A01K 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](#))}
- A01K 11/007
 - . {Boluses}
- A01K 11/008
 - . {incorporating GPS}
- A01K 13/00**

Devices for grooming or caring of animals, e.g. curry-combs (scissors [B26B](#)); Fetlock rings (bandages, poultices [A61D](#)); Tail-holders (as part of the harness [B68B 5/04](#)); Devices for preventing crib-biting; Washing devices (milking machine accessories for treatment of udders or teats [A01J 7/04](#); for medical purposes [A61D 11/00](#)); Protection against weather conditions or insects
- A01K 13/001
 - {Washing, cleaning, or drying devices (for veterinary purposes [A61D 7/00](#), [A61D 11/00](#))}
- A01K 13/002
 - {Curry-combs; Shearing sheep chemically (shearing sheep [B26B 19/24](#))}
- A01K 13/003
 - {Devices for applying insecticides or medication ([A01K 27/005](#) takes precedence; for veterinary purposes [A61D](#))}
- A01K 13/004
 - {Rubbing-posts}
- A01K 13/005
 - {Tail-holders}
- A01K 13/006
 - {Protective coverings (shoeing of animals [A01L](#); for veterinary purposes [A61D](#))}
- A01K 13/007
 - . {Leg, hoof or foot protectors}
- A01K 13/008
 - . {Horse blankets}
- A01K 14/00**

Removing the fleece from live sheep or similar animals (hand-held cutting tools [B26B](#))
- A01K 15/00**

Devices for taming animals, e.g. nose-rings, hobbles; Devices for overturning animals in general; Training equipment; Covering boxes ({animal holding devices [A01K 1/0613](#)}; devices for veterinary purposes [A61D 3/00](#))
- A01K 15/003
 - {Nose-rings; Fastening tools therefor; Catching or driving equipment}
- A01K 15/006
 - {Devices for impeding passage of animals under fences, preventing butting or the like}
- A01K 15/02
 - Training or exercise equipment ([A01K 15/04](#) takes precedence); {Electric shock devices (circuits therefor [H03K 3/537](#)); Toys, e.g. for pets}
- A01K 15/021
 - . {Electronic training devices specially adapted for dogs or cats}
- A01K 15/022
 - . . {Anti-barking devices}
- A01K 15/023
 - . . {Anti-evasion devices}
- A01K 15/024
 - . {Scratching devices, e.g. for cats}
- A01K 15/025
 - . {Toys, e.g. for chewing}
- A01K 15/026
 - . . {Chewable toys, e.g. for dental care of pets}
- A01K 15/027
 - . {Exercising equipment, e.g. tread mills, carousels (equipment for racing or riding sports events [A63K](#))}
- A01K 15/028
 - . {Cow trainers}
- A01K 15/029
 - . {Electric or similar shock devices, e.g. prods (circuits therefor [H03K 3/537](#))}
- A01K 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](#))}

A01K 17/00	Dehorner; Horn trainers
A01K 19/00	Weaning apparatus
A01K 21/00	Devices for assisting or preventing mating (covering boxes A01K 15/00)
A01K 23/00	Manure or urine pouches {(picking up dog excrement from the ground E01H 1/1206)}
A01K 23/005	<ul style="list-style-type: none"> {Manure or urine collecting devices used independently from the animal, i.e. not worn by the animal but operated by a person}
A01K 25/00	Muzzles
A01K 27/00	Leads or collars, e.g. for dogs (devices specially adapted or mounted for storing and repeatedly paying-out and re-storing lengths of material B65H 75/34)
A01K 27/001	<ul style="list-style-type: none"> {Collars}
A01K 27/002	<ul style="list-style-type: none"> {Harnesses}
A01K 27/003	<ul style="list-style-type: none"> {Leads, leashes}
A01K 27/004	<ul style="list-style-type: none"> <ul style="list-style-type: none"> {Retractable leashes}
A01K 27/005	<ul style="list-style-type: none"> {Quick-couplings, safety-couplings or shock-absorbing devices between leash and collar}
A01K 27/006	<ul style="list-style-type: none"> {with light-emitting or ornamental devices}
A01K 27/007	<ul style="list-style-type: none"> {with insecticide-dispensing means}
A01K 27/008	<ul style="list-style-type: none"> {with pockets or similar for carrying accessories}
A01K 27/009	<ul style="list-style-type: none"> {with electric-shock, sound, magnetic- or radio-waves emitting devices}
A01K 29/00	Other apparatus for animal husbandry {(detecting birth of animals A61D 17/00)}
A01K 29/005	<ul style="list-style-type: none"> {Monitoring or measuring activity, e.g. detecting heat or mating}

Aviculture; Testing, cleaning, stamping or grading eggs

A01K 31/00	Housing birds
A01K 31/002	<ul style="list-style-type: none"> {Poultry cages, e.g. transport boxes (poultry transport A01K 45/005)}
A01K 31/005	<ul style="list-style-type: none"> <ul style="list-style-type: none"> {Battery breeding cages, with or without auxiliary features, e.g. feeding, watering, demanuring, heating, ventilation}
A01K 31/007	<ul style="list-style-type: none"> <ul style="list-style-type: none"> {Floors (for stables A01K 1/015)}
A01K 31/02	<ul style="list-style-type: none"> Door appliances; Automatic door-openers ((laying-nests A01K 31/16); counters for specific applications G07C 9/00)
A01K 31/04	<ul style="list-style-type: none"> Dropping-boards; Devices for removing excrement
A01K 31/06	<ul style="list-style-type: none"> Cages, {e.g. for singing birds (for poultry A01K 31/002)}
A01K 31/07	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Transportable cages (A01K 31/08 takes precedence); {Travelling cages for pigeons; Opening or closing of cages}
A01K 31/08	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Collapsible cages
A01K 31/10	<ul style="list-style-type: none"> Doors; Trap-doors {(for laying-nests A01K 31/16)}

- A01K 31/12 . Perches {for poultry or birds, e.g. roosts}
- A01K 31/14 . Nest-boxes, {e.g. for singing birds or the like}
- A01K 31/16 . . Laying-nests for poultry; Egg collecting {(nest floors [A01K 31/007](#))}
- A01K 31/165 . . . {Egg collecting or counting}
- A01K 31/17 . . . Laying batteries {including auxiliary features, e.g. feeding, watering, demanuring, heating, ventilation}
- A01K 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](#))}
- A01K 31/19 . . Brooders; {Foster-mothers; Hovers}
- A01K 31/20 . . Heating arrangements; {Ventilation}
- A01K 31/22 . Poultry runs; {Poultry houses, including auxiliary features, e.g. feeding, watering, demanuring ([air-conditioning of poultry runs or houses A01K 1/0047](#))}
- A01K 31/24 . Dovecots; Pigeon lofts
- A01K 33/00 Nest-eggs**
- A01K 35/00 Marking poultry or other birds {(marking meat [A22C 17/10](#))}**
- A01K 37/00 Constraining birds, e.g. wing clamps**
- A01K 39/00 Feeding or drinking appliances for poultry or other birds {([A01K 31/005](#), [A01K 31/06](#), [A01K 31/17](#) take precedence)}**
- A01K 39/01 . Feeding devices, {e.g. chainfeeders} ([A01K 39/04](#) takes precedence; {panfeeding systems, feeding pans [A01K 39/0125](#))}
- A01K 39/0106 . . {for solid feed, e.g. grit-cake holders ([licking-stone holders for stock or game A01K 5/015](#))}
- A01K 39/0113 . . {with means to prevent other animals or insects, e.g. squirrels or ants, from eating also}
- A01K 39/012 . . filling automatically, {e.g. by gravity from a reserve}
- A01K 39/0125 . . . {Panfeeding systems; Feeding pans therefor}
- A01K 39/014 . . Feed troughs; Feed throwers
- A01K 39/02 . Drinking appliances ([A01K 39/04](#) takes precedence; construction of valves [F16K](#))
- A01K 39/0206 . . {Drinkers especially adapted for feeding hummingbirds}
- A01K 39/0213 . . {Nipple drinkers}
- A01K 39/022 . . with weight-controlled supply
- A01K 39/024 . . with float-controlled supply
- A01K 39/026 . . kept filled to constant level from incorporated storage
- A01K 39/04 . Combined feeding and drinking appliances, {e.g. also for batteries}
- A01K 39/06 . Cramming appliances, {e.g. helical force-feeders}
- A01K 41/00 Incubators for poultry**
- A01K 41/02 . Heating arrangements
- A01K 41/023 . . {Devices for regulating temperature}

- A01K 41/026 . . {Heating with water}
- A01K 41/04 . Controlling humidity in incubators
- A01K 41/06 . Egg-turning appliances for incubators
- A01K 41/065 . . {Egg drawers}

- A01K 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**}
- A01K 43/005 . {Cleaning, washing of eggs}
- A01K 43/04 . Grading eggs
- A01K 43/06 . . according to size
- A01K 43/08 . . according to weight (sorting according to weight in general [B07C 5/16](#))
- A01K 43/10 . . Grading and stamping

- A01K 45/00** **Other aviculture appliances, e.g. devices for determining whether a bird is about to lay**
- A01K 45/002 . {Bird baths or showers}
- A01K 45/005 . {Harvesting or transport of poultry}
- A01K 45/007 . {Injecting or otherwise treating hatching eggs}

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

- A01K 47/00** **Beehives**
- A01K 47/02 . Construction or arrangement of frames for honeycombs
- A01K 47/04 . Artificial honeycombs
- A01K 47/06 . Other details of beehives, e.g. ventilating devices, entrances to hives, guards, partitions, bee escapes

- A01K 49/00** **Rearing-boxes; Queen transporting or introducing cages**

- A01K 51/00** **Appliances for treating beehives or parts thereof, e.g. for cleaning or disinfecting**

- A01K 53/00** **Feeding or drinking appliances for bees**

- A01K 55/00** **Bee-smokers; Bee-keepers' accessories, e.g. veils** ({smoke-generators for gardens or orchards [A01G 13/06](#), for killing insects [A01M 13/006](#), for killing rats [A01M 17/004](#); smoking pipes [A24F](#))

- A01K 57/00** **Appliances for providing, preventing or catching swarms; Drone-catching devices**

- A01K 59/00** **Honey collection**
- A01K 59/02 . Devices for uncapping honeycombs
- A01K 59/04 . Honey strainers; {Strainers with centrifuges or presses}
- A01K 59/06 . Devices for extracting wax

Pisciculture; Aquaria; Terraria

- A01K 61/00** **Culture of fish, mussels, crayfish, lobsters, sponges, pearls or the like**
(harvesting oysters, mussels, sponges or the like [A01K 80/00](#))
- A01K 61/001 . {Sorting, grading counting or marking live fish; Sex determination (sorting dead fish [A22C 25/04](#); sorting in general [B07B](#), [B07C](#); counting in general [G06M](#))}
- A01K 61/002 . {Culture of bivalves, e.g. oysters, mussels}
- A01K 61/003 . {Cleaning bottoms or walls of ponds or receptacles (cleaning windows [A47L](#); cleaning in general [B08B](#); tank cleaning specially adapted for vessels [B63B 57/00](#); cleaning devices for hulls [B63B 59/00](#); devices for cleaning the submerged surfaces of a swimming pool [E04H 4/16](#))}
- A01K 61/005 . {Culture of crustacea, e.g. lobsters, prawns, shrimps}
- A01K 61/006 . {Artificial reefs specially adapted for the culture of fish}
- A01K 61/007 . {Floating fish-farms}
- A01K 61/008 . {Incubators or hatching devices for fish}
- A01K 61/02 . Feeding devices for fish {(fish food [A23K 1/188](#))}
- A01K 61/025 . . {for use with aquaria}
- A01K 63/00** **Receptacles for live fish, e.g. aquaria** (keepnets or other containers for keeping captured fish [A01K 97/20](#)); **Terraria** {(receptacles for rearing fish [A01K 61/00](#))}
- A01K 63/003 . {Aquaria; Terraria ([A01K 63/04](#), [A01K 63/06](#) take precedence)}
- A01K 63/006 . . {Accessories for aquaria or terraria}
- A01K 63/02 . Receptacles specially adapted for transporting live fish
- A01K 63/04 . Arrangements for treating water specially adapted to receptacles for live fish, {e.g. filters, water pumps} {(cleaning receptacles [A01K 61/003](#);} filters in general [B01D](#); water treatment in general [C02F](#))}
- A01K 63/042 . . {Introducing gases into the water, e.g. aerators, air pumps}
- A01K 63/045 . . {Filters for aquaria}
- A01K 63/047 . . {Liquid pumps for aquaria (air pumps for aquaria [A01K 63/042](#))}
- A01K 63/06 . Arrangements for heating or lighting in, or attached to, receptacles for live fish (heating, {cooling} or lighting apparatus per se [F21](#), [H01](#), [H05B](#))
- A01K 63/065 . . {Heating or cooling devices}
- A01K 65/00** **Fish stringers** {(devices for threading fish on strings [A22C 25/10](#))}
- A01K 67/00** **Rearing or breeding animals, not otherwise provided for; New breeds of animals** (methods for reproduction or fertilisation [A61D 19/00](#); medicinal preparations containing sperm [A61K 35/52](#); tissue- or animal-cell cultivation apparatus [C12M 3/00](#); cultivation or maintenance of tissue or animal cells [C12N 5/00](#); mutation or genetic engineering [C12N 15/00](#))

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.

A01K 67/02

- Breeding vertebrates (covering boxes [A01K 15/00](#); devices for assisting or preventing mating [A01K 21/00](#))

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]

A01K 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

A01K 67/0271

- • {Chimeric animals, e.g. comprising exogenous cells}

A01K 67/0273

- • {Cloned animals}

A01K 67/0275

- • {Genetically modified vertebrates, e.g. transgenic}

A01K 67/0276

- • • {Knockout animals}

A01K 67/0278

- • • {Humanized animals, e.g. knockin}

A01K 67/033

- Rearing or breeding invertebrates; New breeds of invertebrates (non-chemical sterilisation of invertebrates [A01M](#))

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

A01K 67/0331

- • {Snails ([A01K 67/0333](#) takes precedence)}

A01K 67/0332

- • {Earthworms ([A01K 67/0333](#) takes precedence)}

A01K 67/0333

- • {Genetically modified invertebrates, e.g. transgenic, polyploid}

A01K 67/0334

- • • {Genetically modified Molluscs}

A01K 67/0335

- • • {Genetically modified worms}

A01K 67/0336

- • • • {Genetically modified Nematodes, e.g. *Caenorhabditis elegans*}

A01K 67/0337

- • • • {Genetically modified Arthropods}

A01K 67/0338

- • • • {Genetically modified Crustaceans}

A01K 67/0339

- • • • {Genetically modified insects, e.g. *Drosophila melanogaster*, medfly}

A01K 67/04

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

Fishing (fish stringers [A01K 65/00](#))**A01K 69/00****Stationary catching devices**

A01K 69/02

- Fixed nets without traps

A01K 69/04

- Fixed nets with traps

A01K 69/06

A01K 69/08

A01K 69/10

- . Traps
- . . Rigid traps, e.g. lobster pots
- . . Collapsible traps

A01K 71/00**Floating nets** {(if drawn [A01K 73/00](#))}**A01K 73/00****Drawn nets**

A01K 73/02

A01K 73/025

A01K 73/04

A01K 73/045

A01K 73/05

A01K 73/053

A01K 73/06

A01K 73/10

A01K 73/12

- . Trawling nets
- . . {Regulation of net depth}
- . . Devices for spreading or positioning, e.g. control thereof
- . . . for lateral sheering, e.g. trawl boards
- . . . for vertical sheering
- . . . Ground-line rollers
- . . Hauling devices for the headlines, {also for nets; Winches ([A01K 73/12](#) takes precedence)}
- . . Determining the quantity of the catch, e.g. by the pull or drag on the lines
- . Nets held vertically in the water, e.g. seines

A01K 74/00**Other catching nets or the like****A01K 75/00****Accessories for nets; Details of nets, e.g. structure**

A01K 75/02

A01K 75/04

A01K 75/06

- . Illuminating devices for nets
- . Floats (for angling [A01K 93/00](#))
- . Sinkers (for angling [A01K 95/00](#))

A01K 77/00**Landing-nets; Landing-spoons****A01K 79/00****Methods or means of catching fish in bulk not provided for in groups [A01K 69/00](#) to [A01K 77/00](#), {e.g. fish pumps; Detection of fish; Whale fishery}**

A01K 79/02

- . by electrocution (electric circuits therefor [H05C](#)); {Attracting or stunning fish; Scaring sharks}

A01K 80/00**Harvesting oysters, mussels, sponges or the like, {e.g. drags, clam diggers, marine life collectors} (nets [A01K 73/00](#), [A01K 74/00](#); dredgers [E02F](#))****A01K 81/00****Fishing with projectiles (weapons, projectiles other than fish-spears [F41](#), [F42](#))**

A01K 81/04

A01K 81/06

- . Fish-spears
- . Equipment for hunting fish under water (swimming equipment [A63B 31/00](#) to [A63B 35/00](#))

Angling**A01K 83/00****Fish-hooks** {(making fish-hooks [B21F 45/12](#))}

A01K 83/02

A01K 83/04

- . Expanding fish-hook assembly
- . with special gripping arms

- A01K 83/06
- Devices for holding bait on hooks [{\(baiting trotlines A01K 91/18; non-living bait A01K 97/045\)}](#)

A01K 85/00

A01K 85/005

A01K 85/01

A01K 85/02

A01K 85/08

A01K 85/10

A01K 85/12

A01K 85/14

A01K 85/16

A01K 85/18

Artificial baits, [{i.e. Lures}](#)

- [{without hooks}](#)
- with light emission, sound emission, scent dispersal or the like
- with means for concealing or protecting hooks, e.g. to prevent entanglement with weeds
- Artificial flies [\(fly tying devices A01K 97/26\)](#)
- 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}](#)
- comprising a body rotating around its longitudinal axis, e.g. devons
- with flat, or substantially flat, undulating bodies, e.g. spoons
- with other than flat, or substantially flat, undulating bodies, e.g. plugs
- . . in two or more pieces

A01K 87/00

A01K 87/002

A01K 87/005

A01K 87/007

A01K 87/02

A01K 87/025

A01K 87/04

A01K 87/06

A01K 87/08

A01K 87/085

Rods

- [{with the line passing through the hollow rod}](#)
- . . [{comprising internal line guides}](#)
- [{with built-in accessories, e.g. lighting means or measuring devices}](#)
- Connecting devices for parts of the rods
- . . [{telescopic}](#)
- Fishing-line guides on rods, [{e.g. tips \(internal line guides A01K 87/005\)}](#)
- Devices for fixing reels on rods
- Handgrips
- . . [{Heating devices or other means to protect against the cold}](#)

A01K 89/00

Reels [\(devices for casting lines A01K 91/02\)](#)

WARNING

Group [A01K 89/00](#) is impacted by reclassification into group [A01K 89/004](#).
Groups [A01K 89/00](#) and [A01K 89/004](#) should be considered in order to perform a complete search.

A01K 89/003

A01K 89/004

- [{Devices for transferring line to a reel}](#)
- [{Alternate right or left side drives}](#)

WARNING

Group [A01K 89/004](#) is incomplete pending reclassification of documents from group [A01K 89/00](#).
Groups [A01K 89/00](#) and [A01K 89/004](#) should be considered in order to perform a complete search.

A01K 89/006

- [{Hand crank features}](#)

A01K 89/009

- . . {Collapsible or extensible}

WARNING

Group [A01K 89/009](#) is incomplete pending reclassification of documents from group [A01K 89/006](#).

Group s [A01K 89/006](#) and [A01K 89/009](#) should be considered in order to perform a complete search.

A01K 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)

WARNING

Group [A01K 89/01](#) is impacted by reclassification into groups [A01K 89/0106](#), [A01K 89/01121](#), [A01K 89/011221](#), [A01K 89/011222](#), [A01K 89/011223](#), [A01K 89/01123](#), [A01K 89/01124](#), [A01K 89/01125](#), [A01K 89/01126](#), [A01K 89/01127](#), [A01K 89/0113](#), [A01K 89/0122](#), [A01K 89/0123](#), [A01K 89/0124](#), [A01K 89/0125](#), and [A01K 89/0126](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/0102

- . . {with a closed face}

WARNING

Group [A01K 89/0102](#) is impacted by reclassification into groups [A01K 89/01025](#), [A01K 89/01026](#), and [A01K 89/01029](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/01025

- . . . {with line snubber shifted by a remote actuator}

WARNING

Groups [A01K 89/01025](#), [A01K 89/01026](#), and [A01K 89/01029](#) are incomplete pending reclassification of documents from group [A01K 89/0102](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/01026

- {with rotor and snubber shiftable axially}

A01K 89/01029

- {with guiding members shifted radially}

A01K 89/0105

- . . {Multi-speed mechanisms}

A01K 89/0106

- . . {Ratchet-type drives}

WARNING

Group [A01K 89/0106](#), [A01K 89/01121](#), [A01K 89/011221](#), [A01K 89/011222](#), [A01K 89/011223](#), [A01K 89/01123](#), [A01K 89/01124](#), [A01K 89/01125](#), [A01K 89/01126](#), [A01K 89/01127](#), [A01K 89/0113](#), [A01K 89/0122](#), [A01K 89/0123](#), [A01K 89/0124](#), [A01K 89/0125](#), and [A01K 89/0126](#) are incomplete pending reclassification of documents from group [A01K 89/01](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/0108 . . {Pick-up details}

WARNING

Group [A01K 89/0108](#) is impacted by reclassification into group [A01K 89/01081](#).

Groups [A01K 89/0108](#) and [A01K 89/01081](#) should be considered in order to perform a complete search.

A01K 89/01081 . . . {Guiding members on rotor axially rearward of spool}

WARNING

Groups [A01K 89/01081](#), [A01K 89/01082](#), [A01K 89/01083](#), [A01K 89/01084](#), [A01K 89/01085](#), [A01K 89/01086](#), [A01K 89/01087](#), and [A01K 89/01088](#) are incomplete pending reclassification of documents from group [A01K 89/0108](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/01082 {Guiding members shiftable on rotor}

A01K 89/01083 {to wind position by rotor drive}

A01K 89/01084 {Guiding members shifted to unwind position by discrete manual operators}

A01K 89/01085 . . . {Guiding members on rotor forward of spool ([A01K 89/0102](#) takes precedence)}

WARNING

Groups [A01K 89/01081](#), [A01K 89/01082](#), [A01K 89/01083](#), [A01K 89/01084](#), [A01K 89/01085](#), [A01K 89/01086](#), [A01K 89/01087](#), and [A01K 89/01088](#) are incomplete pending reclassification of documents from group [A01K 89/0108](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/01086 {with rotor drive shifting the guiding member to unwind and wind positions}

A01K 89/01087 {with manual actuator to shift guiding member to unwind position}

A01K 89/01088 {Actuators forward of spool}

A01K 89/0111 . . {Spool details}

A01K 89/01121 . . {Frame details}

WARNING

Groups [A01K 89/0106](#), [A01K 89/01121](#), [A01K 89/011221](#), [A01K 89/011222](#), [A01K 89/011223](#), [A01K 89/01123](#), [A01K 89/01124](#), [A01K 89/01125](#), [A01K 89/01126](#), [A01K 89/01127](#), [A01K 89/0113](#), [A01K 89/0122](#), [A01K 89/0123](#), [A01K 89/0124](#), [A01K 89/0125](#) and [A01K 89/0126](#) are incomplete pending reclassification of documents from group [A01K 89/01](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/011221 . . . {with line or water shields}

A01K 89/011222 . . . {with lubrication features}

- A01K 89/011223 . . . {with bearing features}
- A01K 89/01123 . . . {Frame disassembly features}
- A01K 89/01124 {Hinged frame sections}
- A01K 89/01125 {Rotated joints}
- A01K 89/01126 {Threaded}
- A01K 89/01127 . . . {Reel supports}
- A01K 89/0113 . . {Spool locking devices on spool shaft}

WARNING

Groups [A01K 89/0106](#), [A01K 89/01121](#), [A01K 89/011221](#), [A01K 89/011222](#), [A01K 89/011223](#), [A01K 89/01123](#), [A01K 89/01124](#), [A01K 89/01125](#), [A01K 89/01126](#), [A01K 89/01127](#), [A01K 89/0113](#), [A01K 89/0122](#), [A01K 89/0123](#), [A01K 89/0124](#), [A01K 89/0125](#), and [A01K 89/0126](#) are incomplete pending reclassification of documents from group [A01K 89/01](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- A01K 89/0114 . . {Reciprocating mechanisms}

WARNING

Group [A01K 89/0114](#) is impacted by reclassification into groups [A01K 89/01141](#), [A01K 89/01142](#), and [A01K 89/01143](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- A01K 89/01141 . . . {including eccentric cams reciprocating the spool}

WARNING

Groups [A01K 89/01141](#), [A01K 89/01142](#), and [A01K 89/01143](#) are incomplete pending reclassification of documents from group [A01K 89/0114](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- A01K 89/01142 . . . {for reciprocating the guiding member}

WARNING

Groups [A01K 89/01141](#), [A01K 89/01142](#), and [A01K 89/01143](#) are incomplete pending reclassification of documents from group [A01K 89/0114](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- A01K 89/01143 {Reversely threaded screws}

A01K 89/0117 . . {Anti-reverse mechanisms}

WARNING

Group [A01K 89/0117](#) is impacted by reclassification into group [A01K 89/0118](#).

Groups [A01K 89/0117](#) and [A01K 89/0118](#) should be considered in order to perform a complete search.

A01K 89/0118 . . . {defining home position of reel part}

WARNING

Group s [A01K 89/0118](#) is incomplete pending reclassification of documents from group [A01K 89/0117](#).

Group s [A01K 89/0117](#) and [A01K 89/0118](#) should be considered in order to perform a complete search.

A01K 89/012 . . motor-driven

WARNING

Group [A01K 89/012](#) is impacted by reclassification into group [A01K 89/0121](#).

Groups [A01K 89/012](#) and [A01K 89/0121](#) should be considered in order to perform a complete search.

A01K 89/0121 . . . {Spring motors}

WARNING

Group [A01K 89/0121](#) is incomplete pending reclassification of documents from group [A01K 89/012](#)

Groups [A01K 89/012](#) and [A01K 89/0121](#) should be considered in order to perform a complete search.

A01K 89/0122 . . {with unwinding indicators, e.g. bell or flashing light}

WARNING

Groups [A01K 89/0106](#), [A01K 89/01121](#), [A01K 89/011221](#), [A01K 89/011222](#), [A01K 89/011223](#), [A01K 89/01123](#), [A01K 89/01124](#), [A01K 89/01125](#), [A01K 89/01126](#), [A01K 89/01127](#), [A01K 89/0113](#), [A01K 89/0122](#), [A01K 89/0123](#), [A01K 89/0124](#), [A01K 89/0125](#) and [A01K 89/0126](#) are incomplete pending reclassification of documents from group [A01K 89/01](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/0123 . . . {Clicking indicators, e.g. flexible pawl and toothed member}

A01K 89/0124 . . . {Spring biased pawls}

A01K 89/0125 {Plural spring sections}

A01K 89/0126

- . . {with line unwinding limiters}

WARNING

Groups [A01K 89/0106](#), [A01K 89/01121](#), [A01K 89/011221](#), [A01K 89/011222](#), [A01K 89/011223](#), [A01K 89/01123](#), [A01K 89/01124](#), [A01K 89/01125](#), [A01K 89/01126](#), [A01K 89/01127](#), [A01K 89/0113](#), [A01K 89/0122](#), [A01K 89/0123](#), [A01K 89/0124](#), [A01K 89/0125](#) and [A01K 89/0126](#) are incomplete pending reclassification of documents from group [A01K 89/01](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/015

- . with {a} rotary drum {i.e. with a rotating spool} ([A01K 89/033](#) takes precedence)

WARNING

Group [A01K 89/015](#) is impacted by reclassification into groups [A01K 89/0175](#), [A01K 89/0176](#), [A01K 89/0178](#), [A01K 89/0179](#), [A01K 89/018](#), [A01K 89/0181](#), [A01K 89/0182](#), [A01K 89/0183](#), [A01K 89/0184](#), [A01K 89/0185](#), [A01K 89/0186](#), [A01K 89/0187](#), [A01K 89/0188](#), [A01K 89/0189](#), [A01K 89/01901](#), [A01K 89/01902](#), [A01K 89/01903](#), [A01K 89/01904](#), [A01K 89/01905](#), [A01K 89/01906](#), [A01K 89/01907](#), [A01K 89/01908](#), [A01K 89/01909](#), [A01K 89/0191](#), [A01K 89/01911](#), [A01K 89/01912](#), [A01K 89/019125](#), [A01K 89/01913](#), [A01K 89/01914](#), [A01K 89/01915](#), [A01K 89/01916](#), [A01K 89/01917](#), [A01K 89/01918](#), [A01K 89/01919](#), [A01K 89/0192](#), [A01K 89/01921](#), [A01K 89/01922](#), [A01K 89/01923](#), [A01K 89/01924](#), [A01K 89/01925](#), [A01K 89/01928](#), [A01K 89/01929](#), [A01K 89/0193](#), and [A01K 89/01931](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/0155

- . . Antibacklash devices

WARNING

Group [A01K 89/0155](#) is impacted by reclassification into groups [A01K 89/01556](#) and [A01K 89/01557](#).

Groups [A01K 89/0155](#), [A01K 89/01556](#) and [A01K 89/01557](#) should be considered in order to perform a complete search.

A01K 89/01555

- . . . {using magnets}

A01K 89/01556

- . . . {Line tension responsive actuators}

WARNING

Groups [A01K 89/01556](#) and [A01K 89/01557](#) are incomplete pending reclassification of documents from group [A01K 89/0155](#).

Groups [A01K 89/0155](#), [A01K 89/01556](#) and [A01K 89/01557](#) should be considered in order to perform a complete search.

A01K 89/01557

- . . . {Centrifugal}

WARNING

Groups [A01K 89/01556](#) and [A01K 89/01557](#) are incomplete pending reclassification of documents from group [A01K 89/0155](#).

Groups [A01K 89/0155](#), [A01K 89/01556](#) and [A01K 89/01557](#) should be considered in order to perform a complete search.

A01K 89/016

- • Fly reels {i.e. with a stub shaft support}

WARNING

Group [A01K 89/016](#) is impacted by reclassification into group [A01K 89/0162](#).

Groups [A01K 89/016](#) and [A01K 89/0162](#) should be considered in order to perform a complete search.

A01K 89/0162

- • • {with a releasable latch to retain spool on shaft}

WARNING

Group [A01K 89/0162](#) is incomplete pending reclassification of documents from group [A01K 89/016](#).

Group s [A01K 89/016](#) and [A01K 89/0162](#) should be considered in order to perform a complete search.

A01K 89/0165

- • for trolling

A01K 89/017

- • motor-driven

WARNING

Group [A01K 89/017](#) is impacted by reclassification into groups [A01K 89/0171](#), [A01K 89/0172](#), [A01K 89/0173](#), and [A01K 89/0174](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/0171

- • • {Spring motors}

WARNING

Groups [A01K 89/0171](#), [A01K 89/0172](#), [A01K 89/0173](#), and [A01K 89/0174](#) are incomplete pending reclassification of documents from group [A01K 89/017](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/0172

- • • • {actuated in response to pull on line}

A01K 89/0173

- • • • {with independent manual drive}

A01K 89/0174

- • • • {with spring chargers}

A01K 89/0175

- . . {Axial unwinding}

WARNING

Groups [A01K 89/0175](#), [A01K 89/0176](#), [A01K 89/0178](#), [A01K 89/0179](#), [A01K 89/018](#), [A01K 89/0181](#), [A01K 89/0182](#), [A01K 89/0183](#), [A01K 89/0184](#), [A01K 89/0185](#), [A01K 89/0186](#), [A01K 89/0187](#), [A01K 89/0188](#), [A01K 89/0189](#), [A01K 89/01901](#), [A01K 89/01902](#), [A01K 89/01903](#), [A01K 89/01904](#), [A01K 89/01905](#), [A01K 89/01906](#), [A01K 89/01907](#), [A01K 89/01908](#), [A01K 89/01909](#), [A01K 89/0191](#), [A01K 89/01911](#), [A01K 89/01912](#), [A01K 89/019125](#), [A01K 89/01913](#), [A01K 89/01914](#), [A01K 89/01915](#), [A01K 89/01916](#), [A01K 89/01917](#), [A01K 89/01918](#), [A01K 89/01919](#), [A01K 89/0192](#), [A01K 89/01921](#), [A01K 89/01922](#), [A01K 89/01923](#), [A01K 89/01924](#), [A01K 89/01925](#), [A01K 89/01928](#), [A01K 89/01929](#), [A01K 89/0193](#), [A01K 89/01931](#) are incomplete pending reclassification of documents from group [A01K 89/015](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/0176

- . . . {with guide shiftable between wind and unwind positions}

A01K 89/0178

- . . {with unwinding indicators, e.g. a bell or a flashing light}

WARNING

Groups [A01K 89/0175](#), [A01K 89/0176](#), [A01K 89/0178](#), [A01K 89/0179](#), [A01K 89/018](#), [A01K 89/0181](#), [A01K 89/0182](#), [A01K 89/0183](#), [A01K 89/0184](#), [A01K 89/0185](#), [A01K 89/0186](#), [A01K 89/0187](#), [A01K 89/0188](#), [A01K 89/0189](#), [A01K 89/01901](#), [A01K 89/01902](#), [A01K 89/01903](#), [A01K 89/01904](#), [A01K 89/01905](#), [A01K 89/01906](#), [A01K 89/01907](#), [A01K 89/01908](#), [A01K 89/01909](#), [A01K 89/0191](#), [A01K 89/01911](#), [A01K 89/01912](#), [A01K 89/019125](#), [A01K 89/01913](#), [A01K 89/01914](#), [A01K 89/01915](#), [A01K 89/01916](#), [A01K 89/01917](#), [A01K 89/01918](#), [A01K 89/01919](#), [A01K 89/0192](#), [A01K 89/01921](#), [A01K 89/01922](#), [A01K 89/01923](#), [A01K 89/01924](#), [A01K 89/01925](#), [A01K 89/01928](#), [A01K 89/01929](#), [A01K 89/0193](#), [A01K 89/01931](#) are incomplete pending reclassification of documents from group [A01K 89/015](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/0179

- . . . {Clicking indicators, e.g. flexible pawl and toothed member}

A01K 89/018

- . . . {Spring biased pawls}

A01K 89/0181

- {Plural spring sections}

A01K 89/0182

- . . {with line unwinding limiters}

WARNING

Groups [A01K 89/0175](#), [A01K 89/0176](#), [A01K 89/0178](#), [A01K 89/0179](#), [A01K 89/018](#), [A01K 89/0181](#), [A01K 89/0182](#), [A01K 89/0183](#), [A01K 89/0184](#), [A01K 89/0185](#), [A01K 89/0186](#), [A01K 89/0187](#), [A01K 89/0188](#), [A01K 89/0189](#), [A01K 89/01901](#), [A01K 89/01902](#), [A01K 89/01903](#), [A01K 89/01904](#), [A01K 89/01905](#), [A01K 89/01906](#), [A01K 89/01907](#), [A01K 89/01908](#), [A01K 89/01909](#), [A01K 89/0191](#), [A01K 89/01911](#), [A01K 89/01912](#), [A01K 89/019125](#), [A01K 89/01913](#), [A01K 89/01914](#), [A01K 89/01915](#), [A01K 89/01916](#), [A01K 89/01917](#), [A01K 89/01918](#), [A01K 89/01919](#), [A01K 89/0192](#), [A01K 89/01921](#), [A01K 89/01922](#), [A01K 89/01923](#), [A01K 89/01924](#), [A01K 89/01925](#), [A01K 89/01928](#), [A01K 89/01929](#), [A01K 89/0193](#), [A01K 89/01931](#) are incomplete pending reclassification of documents from group [A01K 89/015](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/0183

- . . {Drive mechanism details}

WARNING

Groups [A01K 89/0175](#), [A01K 89/0176](#), [A01K 89/0178](#), [A01K 89/0179](#), [A01K 89/018](#), [A01K 89/0181](#), [A01K 89/0182](#), [A01K 89/0183](#), [A01K 89/0184](#), [A01K 89/0185](#), [A01K 89/0186](#), [A01K 89/0187](#), [A01K 89/0188](#), [A01K 89/0189](#), [A01K 89/01901](#), [A01K 89/01902](#), [A01K 89/01903](#), [A01K 89/01904](#), [A01K 89/01905](#), [A01K 89/01906](#), [A01K 89/01907](#), [A01K 89/01908](#), [A01K 89/01909](#), [A01K 89/0191](#), [A01K 89/01911](#), [A01K 89/01912](#), [A01K 89/019125](#), [A01K 89/01913](#), [A01K 89/01914](#), [A01K 89/01915](#), [A01K 89/01916](#), [A01K 89/01917](#), [A01K 89/01918](#), [A01K 89/01919](#), [A01K 89/0192](#), [A01K 89/01921](#), [A01K 89/01922](#), [A01K 89/01923](#), [A01K 89/01924](#), [A01K 89/01925](#), [A01K 89/01928](#), [A01K 89/01929](#), [A01K 89/0193](#), [A01K 89/01931](#) are incomplete pending reclassification of documents from group [A01K 89/015](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/0184

- . . . {Multiple drive ratio}

A01K 89/0185

- . . . {Ratchet-type drive}

A01K 89/0186

- . . . {with disengageable positive drive components, e.g. a clutch}

A01K 89/0187

- {having alternative yieldable mechanism}

A01K 89/0188

- {Axially engaged}

A01K 89/0189

- {Coaxial of spool}

A01K 89/01901

- {Reengageable responsive to drive rotation}

A01K 89/01902

- {Gear pair}

A01K 89/01903

- . . . {with yieldable drive coupling, e.g. friction or fluid clutch}

A01K 89/01904

- {adjustable by crank manipulation}

A01K 89/01905

- {adjustable within distinct ranges}

A01K 89/01906

- {between drive shaft and crank}

A01K 89/01907

- {between drive shaft and gear}

A01K 89/01908	. . . . {Coaxial with spool}
A01K 89/01909	. . . . . {Axially applied}
A01K 89/0191	. . . . . {by centre pin}
A01K 89/01911	. . . {with feed roller}
A01K 89/01912	. . . {with level winding}
A01K 89/019125	. . . . {Line shifts along a rotatable cam bar}
A01K 89/01913	. . . . {Line traction guide wheels}
A01K 89/01914	. . . . {Manually shifted guides}
A01K 89/01915	. . . . {the drive mechanism oscillating the guide}
A01K 89/01916	. . . . {the drive mechanism reciprocating the guide}
A01K 89/01917	. . . . . {Reversely threaded screw}
A01K 89/01918	. . . . . {Guide shiftable between wind and unwind positions}
A01K 89/01919	. . . . . {Guide having line removal opening}
A01K 89/0192	. . {Frame details}

WARNING

Groups [A01K 89/0175](#), [A01K 89/0176](#), [A01K 89/0178](#), [A01K 89/0179](#), [A01K 89/018](#), [A01K 89/0181](#), [A01K 89/0182](#), [A01K 89/0183](#), [A01K 89/0184](#), [A01K 89/0185](#), [A01K 89/0186](#), [A01K 89/0187](#), [A01K 89/0188](#), [A01K 89/0189](#), [A01K 89/01901](#), [A01K 89/01902](#), [A01K 89/01903](#), [A01K 89/01904](#), [A01K 89/01905](#), [A01K 89/01906](#), [A01K 89/01907](#), [A01K 89/01908](#), [A01K 89/01909](#), [A01K 89/0191](#), [A01K 89/01911](#), [A01K 89/01912](#), [A01K 89/019125](#), [A01K 89/01913](#), [A01K 89/01914](#), [A01K 89/01915](#), [A01K 89/01916](#), [A01K 89/01917](#), [A01K 89/01918](#), [A01K 89/01919](#), [A01K 89/0192](#), [A01K 89/01921](#), [A01K 89/01922](#), [A01K 89/01923](#), [A01K 89/01924](#), [A01K 89/01925](#), [A01K 89/01928](#), [A01K 89/01929](#), [A01K 89/0193](#), [A01K 89/01931](#) are incomplete pending reclassification of documents from group [A01K 89/015](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/01921	. . . {Frame disassembly features}
A01K 89/01922	. . . . {Hinged frame sections}
A01K 89/01923	. . . . {Rotated joints}
A01K 89/01924	. . . . . {Threaded}
A01K 89/01925	. . . {Reel supports, e.g. reel feet}
A01K 89/01928	. . . {with line or water shields}
A01K 89/01929	. . . {with lubrication features}
A01K 89/0193	. . . {with bearing features}

- A01K 89/01931 . . {Spool or spool shaft details (spool details in reel with pick-up A01K 89/0111)}

WARNING

Groups [A01K 89/0175](#), [A01K 89/0176](#), [A01K 89/0178](#), [A01K 89/0179](#), [A01K 89/018](#), [A01K 89/0181](#), [A01K 89/0182](#), [A01K 89/0183](#), [A01K 89/0184](#), [A01K 89/0185](#), [A01K 89/0186](#), [A01K 89/0187](#), [A01K 89/0188](#), [A01K 89/0189](#), [A01K 89/01901](#), [A01K 89/01902](#), [A01K 89/01903](#), [A01K 89/01904](#), [A01K 89/01905](#), [A01K 89/01906](#), [A01K 89/01907](#), [A01K 89/01908](#), [A01K 89/01909](#), [A01K 89/0191](#), [A01K 89/01911](#), [A01K 89/01912](#), [A01K 89/019125](#), [A01K 89/01913](#), [A01K 89/01914](#), [A01K 89/01915](#), [A01K 89/01916](#), [A01K 89/01917](#), [A01K 89/01918](#), [A01K 89/01919](#), [A01K 89/0192](#), [A01K 89/01921](#), [A01K 89/01922](#), [A01K 89/01923](#), [A01K 89/01924](#), [A01K 89/01925](#), [A01K 89/01928](#), [A01K 89/01929](#), [A01K 89/0193](#), [A01K 89/01931](#) are incomplete pending reclassification of documents from group [A01K 89/015](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- A01K 89/02 . Brake devices for reels
- A01K 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}

WARNING

Group [A01K 89/027](#) is impacted by reclassification into groups [A01K 89/028](#), [A01K 89/029](#), and [A01K 89/03](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- A01K 89/0275 . . . {with closed face}
- A01K 89/028 . . . {Continuously applied (for closed face reels [A01K 89/0275](#))}

WARNING

Groups [A01K 89/028](#), [A01K 89/029](#), and [A01K 89/03](#) are incomplete pending reclassification of documents from group [A01K 89/027](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- A01K 89/029 {between spool shaft and frame}
- A01K 89/03 {between spool and spool shaft}
- A01K 89/033 . . with {a} rotary drum {, i.e. for reels with a rotating spool (antibacklash devices [A01K 89/0155](#))}

WARNING

Group [A01K 89/033](#) is impacted by reclassification into groups [A01K 89/045](#), [A01K 89/046](#), [A01K 89/047](#), [A01K 89/048](#), [A01K 89/049](#), [A01K 89/05](#), [A01K 89/051](#), [A01K 89/052](#), [A01K 89/053](#), [A01K 89/054](#), [A01K 89/055](#), [A01K 89/056](#), [A01K 89/057](#), [A01K 89/058](#) and [A01K 89/059](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/045 . . . {Spool bearing brake}

WARNING

Groups [A01K 89/045](#), [A01K 89/046](#), [A01K 89/047](#), [A01K 89/048](#), [A01K 89/049](#), [A01K 89/05](#), [A01K 89/051](#), [A01K 89/052](#), [A01K 89/053](#), [A01K 89/054](#), [A01K 89/055](#), [A01K 89/056](#), [A01K 89/057](#), [A01K 89/058](#) and [A01K 89/059](#) are incomplete pending reclassification of documents from group [A01K 89/033](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/046 . . . {Manual pressure control}

WARNING

Groups [A01K 89/045](#), [A01K 89/046](#), [A01K 89/047](#), [A01K 89/048](#), [A01K 89/049](#), [A01K 89/05](#), [A01K 89/051](#), [A01K 89/052](#), [A01K 89/053](#), [A01K 89/054](#), [A01K 89/055](#), [A01K 89/056](#), [A01K 89/057](#), [A01K 89/058](#) and [A01K 89/059](#) are incomplete pending reclassification of documents from group [A01K 89/033](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/047 {Radially applied}

A01K 89/048 {Rolling contact}

A01K 89/049 {Separable attachments}

A01K 89/05 . . . {Brakes connected to the spool by one-way clutch}

WARNING

Groups [A01K 89/045](#), [A01K 89/046](#), [A01K 89/047](#), [A01K 89/048](#), [A01K 89/049](#), [A01K 89/05](#), [A01K 89/051](#), [A01K 89/052](#), [A01K 89/053](#), [A01K 89/054](#), [A01K 89/055](#), [A01K 89/056](#), [A01K 89/057](#), [A01K 89/058](#) and [A01K 89/059](#) are incomplete pending reclassification of documents from group [A01K 89/033](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/051 . . . {Adjustable pressure pawls, e.g. braking clickers}

WARNING

Groups [A01K 89/045](#), [A01K 89/046](#), [A01K 89/047](#), [A01K 89/048](#), [A01K 89/049](#), [A01K 89/05](#), [A01K 89/051](#), [A01K 89/052](#), [A01K 89/053](#), [A01K 89/054](#), [A01K 89/055](#), [A01K 89/056](#), [A01K 89/057](#), [A01K 89/058](#) and [A01K 89/059](#) are incomplete pending reclassification of documents from group [A01K 89/033](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/052

. . . {Positive}

WARNING

Groups [A01K 89/045](#), [A01K 89/046](#), [A01K 89/047](#), [A01K 89/048](#), [A01K 89/049](#), [A01K 89/05](#), [A01K 89/051](#), [A01K 89/052](#), [A01K 89/053](#), [A01K 89/054](#), [A01K 89/055](#), [A01K 89/056](#), [A01K 89/057](#), [A01K 89/058](#) and [A01K 89/059](#) are incomplete pending reclassification of documents from group [A01K 89/033](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/053

. . . . {One-way}

A01K 89/054

. {with disabler}

A01K 89/055

. {Rotation responsive}

A01K 89/056

. . . {Radially engaged}

WARNING

Groups [A01K 89/045](#), [A01K 89/046](#), [A01K 89/047](#), [A01K 89/048](#), [A01K 89/049](#), [A01K 89/05](#), [A01K 89/051](#), [A01K 89/052](#), [A01K 89/053](#), [A01K 89/054](#), [A01K 89/055](#), [A01K 89/056](#), [A01K 89/057](#), [A01K 89/058](#) and [A01K 89/059](#) are incomplete pending reclassification of documents from group [A01K 89/033](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/057

. . . {Axially engaged}

WARNING

Groups [A01K 89/045](#), [A01K 89/046](#), [A01K 89/047](#), [A01K 89/048](#), [A01K 89/049](#), [A01K 89/05](#), [A01K 89/051](#), [A01K 89/052](#), [A01K 89/053](#), [A01K 89/054](#), [A01K 89/055](#), [A01K 89/056](#), [A01K 89/057](#), [A01K 89/058](#) and [A01K 89/059](#) are incomplete pending reclassification of documents from group [A01K 89/033](#).

All groups listed in this Warning should be considered in order to perform a complete search.

A01K 89/058

. . . . {Coaxial with spool}

A01K 89/059

. . . . {on adjustable lever}

A01K 89/06

. Reversible reels {, i.e. with spool axis shiftable between winding and unwinding positions}

A01K 89/08

. Pole-less fishing apparatus,i.e. hand-held reels

WARNING

Group [A01K 89/08](#) is impacted by reclassification into group [A01K 89/081](#).

Groups [A01K 89/08](#) and [A01K 89/081](#) should be considered in order to perform a complete search.

A01K 89/081

- . . {Axial unwinding}

WARNING

Group [A01K 89/081](#) is incomplete pending reclassification of documents from group [A01K 89/08](#).

Group s [A01K 89/08](#) and [A01K 89/081](#) should be considered in order to perform a complete search.

A01K 91/00**Lines**

A01K 91/02

- . Devices for casting lines

A01K 91/03

- . Connecting devices (devices for fixing on or removing sinkers from lines [A01K 95/02](#))

A01K 91/04

- . . for connecting lines to hooks or lures

A01K 91/047

- . . for connecting lines to lines

A01K 91/053

- . . Fishing booms, i.e. connecting devices spreading out the leaders, e.g. to avoid tangling thereof

A01K 91/06

- . Apparatus on lines not otherwise provided for, e.g. automatic hookers ([floats A01K 93/00](#))

A01K 91/065

- . . {Jiggling devices, i.e. devices for moving the lure}

A01K 91/08

- . . Trolling devices

A01K 91/10

- . . for automatic hook setting

A01K 91/12

- . Fly lines

A01K 91/14

- . Leaders

A01K 91/16

- . . for fly fishing

A01K 91/18

- . Trotlines, longlines; Accessories therefor, e.g. baiting devices, lifters, setting reelers

A01K 91/20

- . Line length or depth measuring devices

A01K 93/00**Floats for angling, with or without signalling devices**

A01K 93/02

- . with signalling devices

A01K 95/00**Sinkers for angling (for trawling [A01K 75/06](#))**

A01K 95/005

- . {Sinkers not containing lead}

A01K 95/02

- . Devices for fixing on or removing sinkers from lines

A01K 97/00**Accessories for angling (landing-nets, landing-spoons [A01K 77/00](#))**

A01K 97/01

- . for ice-fishing; {Ice drilling, hook-setting or signalling devices}

A01K 97/02

- . Devices for laying ground-bait, e.g. chum dispensers, {e.g. also for throwing ground-bait}

A01K 97/04

- . Containers for bait; Preparation of bait {; Dispensers (feeding-stuffs for particular animals [A23K 1/18](#))}

A01K 97/045

- . . {Preparation of bait; Ingredients}

A01K 97/05

- . . Containers for live bait kept in water, e.g. for minnows, shrimps

A01K 97/06

- . Containers or holders for hooks, lines, sinkers, flies or the like

A01K 97/08	• Containers for rods
A01K 97/10	• Supports for rods
A01K 97/11	• • with automatic hooking devices
A01K 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 })
A01K 97/125	• • {using electronic components}
A01K 97/14	• Gaffs
A01K 97/16	• Devices for drying fishing lines
A01K 97/18	• for removing fish-hooks from the fish
A01K 97/20	• Keepnets or other containers for keeping captured fish (A01K 97/05 takes precedence)
A01K 97/22	• Platforms or seat-boxes specially adapted for angling, e.g. tackle boxes for use as seats
A01K 97/24	• Arrangements for disengaging fish-hooks from obstacles
A01K 97/26	• Fly tying devices
A01K 97/28	• • Vices specially adapted therefor
A01K 99/00	Methods or apparatus for fishing not provided for in groups A01K 69/00 to A01K 97/00

A01K 2207/00	Modified animals
A01K 2207/05	• Animals modified by non-integrating nucleic acids, e.g. antisense, RNAi, morpholino, episomal vector, for non-therapeutic purpose
A01K 2207/10	• Animals modified by protein administration, for non-therapeutic purpose
A01K 2207/12	• Animals modified by administration of exogenous cells
A01K 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.
A01K 2207/20	• Animals treated with compounds which are neither proteins nor nucleic acids
A01K 2207/25	• Animals on a special diet
A01K 2207/30	• Animals modified by surgical methods
A01K 2207/35	• Animals modified by environmental factors, e.g. temperature, O ₂
A01K 2217/00	Genetically modified animals
A01K 2217/03	• Animals modified by random mutagenesis, e.g. using ENU, chemicals
A01K 2217/05	• Animals comprising random inserted nucleic acids (transgenic)
A01K 2217/052	• • inducing gain of function
A01K 2217/054	• • inducing loss of function
A01K 2217/056	• • • due to mutation of coding region of the transgene (dominant negative)
A01K 2217/058	• • • due to expression of inhibitory nucleic acid, e.g. siRNA, antisense

- A01K 2217/07 . Animals genetically altered by homologous recombination
- A01K 2217/072 . . maintaining or altering function, i.e. knock in
- A01K 2217/075 . . inducing loss of function, i.e. knock out
- A01K 2217/077 . . . heterozygous knock out animals displaying phenotype
- A01K 2217/15 . Animals comprising multiple alterations of the genome, by transgenesis or homologous recombination, e.g. obtained by cross-breeding
- A01K 2217/20 . Animal model comprising regulated expression system
- A01K 2217/203 . . Animal model comprising inducible/conditional expression system, e.g. hormones, tet
- A01K 2217/206 . . Animal model comprising tissue-specific expression system, e.g. tissue specific expression of transgene, of Cre recombinase
- A01K 2217/30 . Animal model comprising expression system for selective cell killing, e.g. toxins, enzyme dependent prodrug therapy using ganciclovir

A01K 2227/00**Animals characterised by species (Not used)**

- A01K 2227/10 . Mammal
- A01K 2227/101 . . Bovine
- A01K 2227/102 . . Caprine
- A01K 2227/103 . . Ovine
- A01K 2227/105 . . Murine
- A01K 2227/106 . . Primate
- A01K 2227/107 . . Rabbit
- A01K 2227/108 . . Swine
- A01K 2227/30 . Bird
- A01K 2227/40 . Fish
- A01K 2227/50 . Amphibians, e.g. Xenopus
- A01K 2227/70 . Invertebrates
- A01K 2227/703 . . Worms, e.g. Caenorhabditis elegans
- A01K 2227/706 . . Insects, e.g. Drosophila melanogaster, medfly

A01K 2267/00**Animals characterised by purpose (Not used)**

- A01K 2267/01 . Animal expressing industrially exogenous proteins
- A01K 2267/02 . Animal zootechnically ameliorated
- A01K 2267/025 . . Animal producing cells or organs for transplantation
- A01K 2267/03 . Animal model, e.g. for test or diseases
- A01K 2267/0306 . . Animal model for genetic diseases
- A01K 2267/0312 . . . Animal model for Alzheimer's disease
- A01K 2267/0318 . . . Animal model for neurodegenerative disease, e.g. non- Alzheimer's
- A01K 2267/0325 . . . Animal model for autoimmune diseases
- A01K 2267/0331 . . Animal model for proliferative diseases
- A01K 2267/0337 . . Animal models for infectious diseases
- A01K 2267/0343 . . . Animal model for prion disease

- A01K 2267/035 . . . Animal model for multifactorial diseases
- A01K 2267/0356 Animal model for processes and diseases of the central nervous system, e.g. stress, learning, schizophrenia, pain, epilepsy
- A01K 2267/0362 Animal model for lipid/glucose metabolism, e.g. obesity, type-2 diabetes
- A01K 2267/0368 Animal model for inflammation
- A01K 2267/0375 Animal model for cardiovascular diseases
- A01K 2267/0381 Animal model for diseases of the hematopoietic system
- A01K 2267/0387 Animal model for diseases of the immune system
- A01K 2267/0393 . . . Animal model comprising a reporter system for screening tests