

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	. {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	. {Collars}
A01K 27/002	. {Harnesses}
A01K 27/003	. {Leads, leashes}
A01K 27/004	. . {Retractable leashes}
A01K 27/005	. {Quick-couplings, safety-couplings or shock-absorbing devices between leash and collar}
A01K 27/006	. {with light-emitting or ornamental devices}
A01K 27/007	. {with insecticide-dispensing means}
A01K 27/008	. {with pockets or similar for carrying accessories}
A01K 27/009	. {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	. {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	. {Poultry cages, e.g. transport boxes (poultry transport A01K 45/005)}
A01K 31/005	. . {Battery breeding cages, with or without auxiliary features, e.g. feeding, watering, demanuring, heating, ventilation}
A01K 31/007	. . {Floors (for stables A01K 1/015)}
A01K 31/02	. Door appliances; Automatic door-openers {(laying-nests A01K 31/16); counters for specific applications G07C 9/00 }
A01K 31/04	. Dropping-boards; Devices for removing excrement
A01K 31/06	. Cages, {e.g. for singing birds (for poultry A01K 31/002)}
A01K 31/07	. . Transportable cages (A01K 31/08 takes precedence); {Travelling cages for pigeons; Opening or closing of cages}
A01K 31/08	. . Collapsible cages
A01K 31/10	. 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

A01K 67/00
(continued)

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 . Traps
- A01K 69/08 .. Rigid traps, e.g. lobster pots
- A01K 69/10 .. Collapsible traps

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

- A01K 73/02 . Trawling nets
- A01K 73/025 .. {Regulation of net depth}
- A01K 73/04 .. Devices for spreading or positioning, e.g. control thereof
- A01K 73/045 ... for lateral sheering, e.g. trawl boards
- A01K 73/05 ... for vertical sheering
- A01K 73/053 ... Ground-line rollers
- A01K 73/06 .. Hauling devices for the headlines, {also for nets; Winches ([A01K 73/12](#) takes precedence)}
- A01K 73/10 .. Determining the quantity of the catch, e.g. by the pull or drag on the lines
- A01K 73/12 . 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 . Illuminating devices for nets
- A01K 75/04 . Floats (for angling [A01K 93/00](#))
- A01K 75/06 . 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 . Fish-spears
- A01K 81/06 . Equipment for hunting fish under water (swimming equipment [A63B 31/00](#) to [A63B 35/00](#))

Angling**A01K 83/00**

A01K 83/02

A01K 83/04

A01K 83/06

Fish-hooks {(making fish-hooks [B21F 45/12](#))}

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

A01K 89/003

A01K 89/006

A01K 89/01

A01K 89/0102

A01K 89/0105

A01K 89/0108

A01K 89/0111

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

- . {Devices for transferring line to a reel}
- . {Crankes}
- . with pick-up, i.e. with the guiding member rotating and the spool being stationary during normal retrieval of the line ([A01K 89/027 takes precedence](#))
- .. {with closed face}
- .. {Multi-speed mechanisms}
- .. {Pick-up details}
- .. {Spool details}

- A01K 89/0114 . . {Reciprocating mechanisms}
- A01K 89/0117 . . {Anti-reverse mechanisms}
- A01K 89/012 . . motor-driven
- A01K 89/015 . with rotary drum ([A01K 89/033](#) takes precedence)
- A01K 89/0155 . . Antibacklash devices
- A01K 89/01555 . . . {using magnets}
- A01K 89/016 . . Fly reels
- A01K 89/0165 . . for trolling
- A01K 89/017 . . motor-driven
- A01K 89/02 . Brake devices for reels
- A01K 89/027 . . with pick-up
- A01K 89/0275 . . . {with closed face}
- A01K 89/033 . . with rotary drum
- A01K 89/06 . Reversible reels
- A01K 89/08 . Pole-less fishing apparatus, i.e. hand-held reels

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.

WARNING

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