

**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.

**Guidance heading:** 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 }

<b>A01K 14/00</b>	<b>Removing the fleece from live sheep or similar animals</b> (hand-held cutting tools <a href="#">B26B</a> )
<b>A01K 15/00</b>	<b>Devices for taming animals, e.g. nose-rings, hobbles; Devices for overturning animals in general; Training equipment; Covering boxes</b> ({ animal holding devices <a href="#">A01K 1/0613</a> }; devices for veterinary purposes <a href="#">A61D 3/00</a> )
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 ( <a href="#">A01K 15/04</a> takes precedence); { Electric shock devices (circuits therefor <a href="#">H03K 3/537</a> ); 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 <a href="#">A63K</a> ) }
A01K 15/028	.. { Cow trainers }
A01K 15/029	.. { Electric or similar shock devices, e.g. prods (circuits therefor <a href="#">H03K 3/537</a> ) }
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 <a href="#">A01K 15/006</a> ) }
<b>A01K 17/00</b>	<b>Dehorner; Horn trainers</b>
<b>A01K 19/00</b>	<b>Weaning apparatus</b>
<b>A01K 21/00</b>	<b>Devices for assisting or preventing mating</b> (covering boxes <a href="#">A01K 15/00</a> )
<b>A01K 23/00</b>	<b>Manure or urine pouches</b> {(picking up dog excrement from the ground <a href="#">E01H 1/1206</a> )}
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 }
<b>A01K 25/00</b>	<b>Muzzles</b>

**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 }

**Guidance heading:** **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 }

**Guidance heading:** **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
- Guidance heading:** 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)}

**Guidance heading:** **Fishing** (fish stringers [A01K 65/00](#))

**[A01K 69/00](#) Stationary catching devices**

[A01K 69/02](#) . Fixed nets without traps

<a href="#">A01K 69/04</a>	. Fixed nets with traps
<a href="#">A01K 69/06</a>	. Traps
<a href="#">A01K 69/08</a>	.. Rigid traps, e.g. lobster pots
<a href="#">A01K 69/10</a>	.. Collapsible traps
<b>A01K 71/00</b>	<b>Floating nets</b> <a href="#">{(if drawn A01K 73/00)}</a>
<b>A01K 73/00</b>	<b>Drawn nets</b>
<a href="#">A01K 73/02</a>	. Trawling nets
<a href="#">A01K 73/025</a>	.. <a href="#">{ Regulation of net depth }</a>
<a href="#">A01K 73/04</a>	.. Devices for spreading or positioning, e.g. control thereof
<a href="#">A01K 73/045</a>	... for lateral sheering, e.g. trawl boards
<a href="#">A01K 73/05</a>	... for vertical sheering
<a href="#">A01K 73/053</a>	... Ground-line rollers
<a href="#">A01K 73/06</a>	.. Hauling devices for the headlines, <a href="#">{ also for nets; Winches (A01K 73/12 takes precedence) }</a>
<a href="#">A01K 73/10</a>	.. Determining the quantity of the catch, e.g. by the pull or drag on the lines
<a href="#">A01K 73/12</a>	. Nets held vertically in the water, e.g. seines
<b>A01K 74/00</b>	<b>Other catching nets or the like</b>
<b>A01K 75/00</b>	<b>Accessories for nets; Details of nets, e.g. structure</b>
<a href="#">A01K 75/02</a>	. Illuminating devices for nets
<a href="#">A01K 75/04</a>	. Floats <a href="#">(for angling A01K 93/00)</a>
<a href="#">A01K 75/06</a>	. Sinkers <a href="#">(for angling A01K 95/00)</a>
<b>A01K 77/00</b>	<b>Landing-nets; Landing-spoons</b>
<b>A01K 79/00</b>	<b>Methods or means of catching fish in bulk not provided for in groups <a href="#">A01K 69/00</a> to <a href="#">A01K 77/00</a>, { e.g. fish pumps; Detection of fish; Whale fishery }</b>
<a href="#">A01K 79/02</a>	. by electrocution <a href="#">(electric circuits therefor H05C)</a> ; <a href="#">{ Attracting or stunning fish; Scaring sharks }</a>
<b>A01K 80/00</b>	<b>Harvesting oysters, mussels, sponges or the like, { e.g. drags, clam diggers, marine life collectors } <a href="#">(nets A01K 73/00, A01K 74/00; dredgers E02F)</a></b>

**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](#))

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

- A01K 83/02      . Expanding fish-hook assembly
- A01K 83/04      . 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**      **Artificial baits, { i.e. Lures }**

- A01K 85/005      . { without hooks }
- A01K 85/01      . with light emission, sound emission, scent dispersal or the like
- A01K 85/02      . with means for concealing or protecting hooks, e.g. to prevent entanglement with weeds
- A01K 85/08      . Artificial flies (fly tying devices [A01K 97/26](#))
- A01K 85/10      . with at least one flat rotating body having its axis of rotation substantially non-coincident with the longitudinal axis of the body, { e.g. spinners }
- A01K 85/12      . comprising a body rotating around its longitudinal axis, e.g. devons
- A01K 85/14      . with flat, or substantially flat, undulating bodies, e.g. spoons
- A01K 85/16      . with other than flat, or substantially flat, undulating bodies, e.g. plugs
- A01K 85/18      . . . in two or more pieces

**A01K 87/00**      **Rods**

- A01K 87/002      . { with the line passing through the hollow rod }
- A01K 87/005      . . . { comprising internal line guides }
- A01K 87/007      . { with built-in accessories, e.g. lighting means or measuring devices }

A01K 87/02	. Connecting devices for parts of the rods
A01K 87/025	.. { telescopic }
A01K 87/04	. Fishing-line guides on rods, { e.g. tips (internal line guides <a href="#">A01K 87/005</a> ) }
A01K 87/06	. Devices for fixing reels on rods
A01K 87/08	. Handgrips
A01K 87/085	.. { Heating devices or other means to protect against the cold }
<b>A01K 89/00</b>	<b>Reels</b> (devices for casting lines <a href="#">A01K 91/02</a> )
A01K 89/003	. { Devices for transferring line to a reel }
A01K 89/006	. { Cranks }
A01K 89/01	. with pick-up, i.e. with the guiding member rotating and the spool being stationary during normal retrieval of the line ( <a href="#">A01K 89/027</a> takes precedence)
A01K 89/0102	.. { with closed face }
A01K 89/0105	.. { Multi-speed mechanisms }
A01K 89/0108	.. { Pick-up details }
A01K 89/0111	.. { Spool details }
A01K 89/0114	.. { Reciprocating mechanisms }
A01K 89/0117	.. { Anti-reverse mechanisms }
A01K 89/012	.. motor-driven
A01K 89/015	. with rotary drum ( <a href="#">A01K 89/033</a> 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
<b>A01K 91/00</b>	<b>Lines</b>

- 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



<a href="#">A01K 97/06</a>	. Containers or holders for hooks, lines, sinkers, flies or the like
<a href="#">A01K 97/08</a>	. Containers for rods
<a href="#">A01K 97/10</a>	. Supports for rods
<a href="#">A01K 97/11</a>	. . with automatic hooking devices
<a href="#">A01K 97/12</a>	. Signalling devices, e.g. tip-up devices ( <a href="#">A01K 91/06</a> takes precedence; { for floats <a href="#">A01K 93/02</a> ; for ice-fishing <a href="#">A01K 97/01</a> ; for supports <a href="#">A01K 97/10</a> })
<a href="#">A01K 97/125</a>	. . { using electronic components }
<a href="#">A01K 97/14</a>	. Gaffs
<a href="#">A01K 97/16</a>	. Devices for drying fishing lines
<a href="#">A01K 97/18</a>	. for removing fish-hooks from the fish
<a href="#">A01K 97/20</a>	. Keepnets or other containers for keeping captured fish ( <a href="#">A01K 97/05</a> takes precedence)
<a href="#">A01K 97/22</a>	. Platforms or seat-boxes specially adapted for angling, e.g. tackle boxes for use as seats
<a href="#">A01K 97/24</a>	. Arrangements for disengaging fish-hooks from obstacles
<a href="#">A01K 97/26</a>	. Fly tying devices
<a href="#">A01K 97/28</a>	. . Vices specially adapted therefor
<b><a href="#">A01K 99/00</a></b>	<b>Methods or apparatus for fishing not provided for in groups <a href="#">A01K 69/00</a> to <a href="#">A01K 97/00</a></b>

<b><a href="#">A01K 2207/00</a></b>	<b>Modified animals</b>
<a href="#">A01K 2207/05</a>	. Animals modified by non-integrating nucleic acids, e.g. antisense, RNAi, morpholino, episomal vector, for non-therapeutic purpose
<a href="#">A01K 2207/10</a>	. Animals modified by protein administration, for non-therapeutic purpose
<a href="#">A01K 2207/12</a>	. Animals modified by administration of exogenous cells
<a href="#">A01K 2207/15</a>	. Humanized animals

**NOTE**

This group covers animals comprising human nucleic acids, proteins or cells.  
Classification in this group should be done in combination with K01K217 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<sub>2</sub>

#### **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
<b>A01K 2267/00</b>		<b>Animals characterised by purpose (Not used)</b>
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