

**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 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 }

**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**

<b>A01K 61/00</b>	<b>Culture of fish, mussels, crayfish, lobsters, sponges, pearls or the like ( harvesting oysters, mussels, sponges or the like <a href="#">A01K 80/00</a> )</b>
A01K 61/001	. { Sorting, grading counting or marking live fish; Sex determination ( sorting dead fish <a href="#">A22C 25/04</a> ; sorting in general <a href="#">B07B</a> , <a href="#">B07C</a> ; counting in general <a href="#">G06M</a> ) }
A01K 61/002	. { Culture of bivalves, e.g. oysters, mussels }
A01K 61/003	. { Cleaning bottoms or walls of ponds or receptacles ( cleaning windows <a href="#">A47L</a> ; cleaning in general <a href="#">B08B</a> ; tank cleaning specially adapted for vessels <a href="#">B63B 57/00</a> ; cleaning devices for hulls <a href="#">B63B 59/00</a> ; devices for cleaning the submerged surfaces of a swimming pool <a href="#">E04H 4/16</a> ) }
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 <a href="#">A23K 1/188</a> ) }
A01K 61/025	.. { for use with aquaria }
<b>A01K 63/00</b>	<b>Receptacles for live fish, e.g. aquaria ( keepnets or other containers for keeping captured fish <a href="#">A01K 97/20</a> ); Terraria { ( receptacles for rearing fish <a href="#">A01K 61/00</a> ) }</b>
A01K 63/003	. { Aquaria; Terraria ( <a href="#">A01K 63/04</a> , <a href="#">A01K 63/06</a> 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 <a href="#">A01K 61/003</a> ; } filters in general <a href="#">B01D</a> ; water treatment in general <a href="#">C02F</a> ) }
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 <a href="#">A01K 63/042</a> ) }
A01K 63/06	. Arrangements for heating or lighting in, or attached to, receptacles for live fish ( heating, { cooling } or lighting apparatus per se <a href="#">F21</a> , <a href="#">H01</a> , <a href="#">H05B</a> )
A01K 63/065	.. { Heating or cooling devices }
<b>A01K 65/00</b>	<b>Fish stringers { ( devices for threading fish on strings <a href="#">A22C 25/10</a> ) }</b>
<b>A01K 67/00</b>	<b>Rearing or breeding animals, not otherwise provided for; New breeds of animals ( methods for reproduction or fertilisation <a href="#">A61D 19/00</a>; medicinal preparations containing sperm <a href="#">A61K 35/52</a>; tissue- or animal-cell cultivation apparatus <a href="#">C12M 3/00</a>; cultivation or maintenance of tissue or animal cells <a href="#">C12N 5/00</a>; mutation or genetic engineering <a href="#">C12N 15/00</a> )</b>

**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
- 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](#) )

**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 [A01K 87/005](#) ) }
- 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 }
- A01K 89/00** **Reels ( devices for casting lines [A01K 91/02](#) )**
- 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 ( [A01K 89/027](#) 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 ( [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 2003/00** **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 2003/007 . Fencing and guiding systems for amphibia
- 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 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

#### **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