A01K

ANIMAL HUSBANDRY; CARE OF BIRDS, FISHES, INSECTS; FISHING; REARING OR BREEDING ANIMALS, NOT OTHERWISE PROVIDED FOR; NEW BREEDS OF ANIMALS

Definition statement

This place covers:

- Equipment and methods for the care, culture or rearing of all animals or for obtaining their products, not otherwise provided for
- Equipment and methods for fishing
- Equipment for angling
- Methods of breeding animals, not otherwise provided for
- New breeds of animals

Relationships with other classification places

Whilst A01K provides for equipment and methods associated with the care, nurturing, handling and rearing of all animals, and the harvesting of their products, devices and accessories for milking are classified in A01J. Furthermore, shoes for animals (e.g. horses, oxen and other solipeds) and associated accessories are classified in A01L. Devices for maintaining the appearance and welfare of animals (e.g. washing and grooming devices, shearing equipment, dehorners, horn trainers) are classified here, whilst veterinary equipment and methods for the medical treatment of animals are classified in A61D. A01K provides for fastening and tethering/restraining equipment for animals (e.g. halters, neck-bars, leads, collars), yet equine or similar harnesses and devices used in connection therewith are classified in B68B. A01K provides for new breeds of animals, irrespective of the manner of their production, including new breeds of multicellular animals, e.g. transgenic animals. It also provides for processes of obtaining such new animals. Processes and methods for genetic engineering and mutation per se are classified in C12N. Where genetic engineering or mutation techniques are used to produce new breeds of animals, multi-aspect classification in A01K 67/00 and C12N 15/00 should be applied. Breeding of animals not otherwise provided for is covered by A01K 67/00, whilst instruments or methods for reproduction or fertilisation (e.g. artificial insemination) is classified in A61D 19/00.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| New plants or processes for obtaining them; Plant reproduction by tissue culture techniques | A01H |
| Milking; Accessories therefor | A01J 1/00, A01J 9/00 |
| Manufacture of dairy products, other than milking | A01J 11/00, A01J 27/00 |
| Shoeing of animals | A01L |
| Catching, trapping or scaring of animals; Apparatus for the destruction of noxious animals | A01M |
| Preservation of bodies of animals or parts thereof; Pest repellants or attractants | A01N |
| Feeding-stuffs specially adapted for animals; Methods specially adapted for production thereof | A23K |
| Veterinary instruments, implements, tools, or methods | A61D |
| Harnesses; Devices used in connection therewith | B68B |
Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
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<tbody>
<tr>
<td>Angling</td>
<td>A form of fishing using a hook and line. A rod or pole is often additionally used, e.g. for sport fishing.</td>
</tr>
<tr>
<td>Game</td>
<td>Wild mammals or birds hunted for sport or food.</td>
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<tr>
<td>Honeycomb</td>
<td>A structure of hexagonal wax cells, made by bees to store honey and larvae.</td>
</tr>
<tr>
<td>Poultry</td>
<td>Domesticated fowl, such as chickens, ducks, turkeys and geese.</td>
</tr>
<tr>
<td>Stock</td>
<td>Domesticated animals bred and kept for their produce.</td>
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**A01K 1/00**

**Housing animals; Equipment therefor**

**Definition statement**

*This place covers:*

Stable buildings and structural details therefore.

Shelters for animal other than pets.

Shelter and stables, may be transportable.

Partition walls and -grids may be incorporated.

Stables and shelters may comprise various installations, e.g. feeders, computer/registration-systems, ventilation systems etc.

Movable animal enclosure, may be part of stable.

Wildlife homes, self-sustaining wildlife habitat sanctuary.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

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<thead>
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<td>Stable partitions.</td>
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<td>Air-conditioning, e.g. ventilation, of animal housings.</td>
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<td>Pigsties; Dog-kennels; Rabbit-hutches or the like.</td>
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<td>Housing for domestic or laboratory animals.</td>
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<td>Pasturing equipment, e.g. tethering devices, Grids for...</td>
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<td>Housing birds.</td>
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<tr>
<td>building construction, features of buildings</td>
<td>E04</td>
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<tr>
<td>Buildings or groups of agricultural purpose.</td>
<td>E04H 5/08</td>
</tr>
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</table>

**A01K 1/0005**

{Stable partitions (devices for fastening animals A01K 1/06; pasturing enclosures A01K 3/00)}

**Definition statement**

This place covers:

Means for dividing stable room and/or limiting animal space.

Partitions; grids; box dividers; barriers.

Partitions etc. may be movable, existing of different materials and/or electrified.

Different ways of fastening partitions, e.g. yokes.

Doors (on or in stables); their actuation.

Doors, partitions etc. may serve for guiding or driving e.g. crowd gates, or for starting rodeos.

(Prefabricated) boxes which can serve as independent quarters, within stables.

Partitions may include ground-borne barriers such as thresholds.

Barriers controlling access to feeders
Separation possibilities between liquid/solid manure.

References

Limiting references

This place does not cover:

| Devices for fastening animals | A01K 1/06 |
| Pasturing enclosures          | A01K 3/00 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Housing animal; Equipment therefor | A01K 1/00 |
| Pigsties; Dog-kennels; Rabbit-hutches or the like | A01K 1/02 |
| Feeding pens for pigs or cattle | A01K 1/0209 |
| Devices for use in keeping domestic animals, e.g. fittings | A01K 1/035 |
| Devices for immobilisation or restraint of animals, e.g. chutes | A01K 1/0613 |
| Milking station | A01K 1/12 |
| Feed troughs; Feed pails | A01K 5/01 |
| Slaughtering pens | A22B 5/02 |
| Race or rodeo starting gates or boxes... | A63K |
| Serving doors; Passing-through doors, (Pet doors) | E06B 7/32 |
A01K 1/0011

{Cubicle partitions}

Definition statement

This place covers:
A fence for laterally partitioning, forming cubicle partitions in a stable.
Divider may consist of single bent tube or more partitions. (mushroom-shape)
A cubicle partition may comprise at least one standing pipe, or a footles cubicle partition.
Partitions may be movable e.g. by rails.
Gate assembly for an animal enclosure such as milking parlour.
Box installations which are adjustable between an operative and an inoperative position in or to a stable.
Different ways for coupling the fence.
**A01K 1/0017**

{*Gates, doors*}

**Definition statement**

*This place covers:*

Gates, may be used as a fence and/or have a bumper system.

Gates may be extendible, e.g. have an adjustable frame.

Non-return gates, e.g. guillotine gate, tailgate.

Sheep control means, may comprise a workstation and/or a race and/or a drafting gate.

Doors may be automatically closing swing doors etc.

Device for prevent livestock passing through an open gate. (e.g. battery operated).

Hinge lock for animal gates, may have a releasable hinge mechanism.

Gate assembly for milking parlour, may be automatic. (e.g. trough rotating turnstile)

![Diagram 1](image1)

**A01K 1/0023**

{*Sorting gates*}

**Definition statement**

*This place covers:*

Sorting gates:
• may include an alley comprising an entrance, a main exit and a sorting exit.
• may be adjustable.
• may enable sorting according to weight, size, etc.
• may contain a selective electronic confinement system, infra-red detector etc.

e.g. turnstile-type gate, swing-gate.

Livestock trap and sorter.

Gates may be adjustable, may include an opening e.g. for pedestrians.

Separating lactating animals in automatic milking installations by means of identification gates, switchable gates, enticement etc.

Feeding device for selective feeding cattle.

A01K 1/0029

{Crowding gates or barriers}

Definition statement

This place covers:
Crowding gates or barriers:
• may be foldable
• may be attachable to wall/ fence, etc.
• may be moved along a rails/ endless chain, etc.
• may be electrified.

Assemblies for driving cattle along a route:
• by means of a tailgate, mover member etc.
• Animal catching and carrying devices.
• For feeding control systems e.g. an electrified barrier.
• Barrier for preventing passage of livestock.
A01K 1/0047

{Air-conditioning, e.g. ventilation, of animal housings}

Definition statement

This place covers:

Means for heating, cooling, ventilating, drying or humidifying stable rooms in general.

Method and system for disbursing ozone into a stable room e.g. deduction in flies, odour, dust etc.

Climate and ventilation control means, e.g. alarm system, responsive timer, etc.

Means of cleaning waste air:
- may use filtering devices, remove dust, odours, ammonia etc.
- may add pre-coated material, e.g. coke dust, lime dust.
- may add disinfectants.

Methods for influencing and determining the airflow, e.g. metal panels.
Specially adapted details, e.g. roof lids, etc.

References

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<tr>
<td>Ventilating buildings</td>
<td>F24F</td>
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A01K 1/0052

{Arrangement of fans or blowers}

Definition statement

This place covers:

Fans or blowers, for use in stable rooms in general.
- may be movable.
- may be placed in rows or back to back etc.
- may have variable speed control.
- may have cooling system, mist generator etc. included.
Wind diverters for fans and blowers.

A01K 1/0058

{Construction of air inlets or outlets in roofs}

Definition statement

This place covers:
Construction of air inlets or outlets in roofs, e.g. fans and ducts etc.
• may include evaporative coolers, ionizing apparatus, heat exchanging system, etc.

Methods of controlling ventilation in roofs.
Ventilation ceiling and panels therefor.
**A01K 1/0064**

{Construction of air inlets or outlets in walls}

**Definition statement**

*This place covers:*

Construction of air inlets or outlets in walls.

- by means of sheet metal panels with vents, ventilators, valves etc.

Ventilating system may be responsive to temperature, may be able to control humidity and movement of forced air etc.

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**A01K 1/007**

{Arrangement of curtain systems}

**Definition statement**

*This place covers:*

Arrangement of curtain systems.

- may include selvedge reinforcement.
- may include curtain control system.

Automatic curtain systems with ventilation monitoring, control, alarm and auto-release systems.

Blinds.
A01K 1/0076

{Arrangement of heaters or heat exchangers}

Definition statement

This place covers:

Heating devices for a stall and method for operating the same. May include:

- control device
- one or more radiating elements
- energy exchange unit
- air control flow
- air cleaning systems etc.
- Heating devices may be energy saving
- Ventilation heat recovery systems
- Climate control systems

A01K 1/0082

{Water misting or cooling systems}

Definition statement

This place covers:

Cooling station for animals, may be automatic. By means of liquid and air flow.

Evaporative cooling system e.g. fan guard mounted mister.
Cleaning waste air, e.g. by means of adding pre-coated material or water spray.

**A01K 1/01**

Removal of dung or urine, {e.g. from stables} (**A01K 1/015** takes precedence; {from poultry houses **A01K 31/04**})

**Definition statement**

*This place covers:*

Collecting solid or liquid manure in stables, by any means, e.g. waste treatment bags, composting box, (liquid) manure tank etc.

Device for removing manure from animal stalls, e.g. bedding fork, scraper.

Device may be automatic, e.g. vehicle.

Device for transporting manure.

Bedding removal and refilling system for animal cages.

Treatment of manure, drying, heating, cooling, deodorizing.

Details of channels or (slatted) floors.
References

Limiting references

This place does not cover:

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<tr>
<td>Pumps</td>
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</table>

A01K 1/0103

{of liquid manure (treating manure A01C 3/00; treatment of water, waste water, sewage or sludge C02F)}

Definition statement

This place covers:

Stables and apparatus for collecting liquid animal manure, e.g. collection pit, tank etc.
• may have arrangements for reducing ammonia emission.
• may be transportable.
• may include hydro flushing installations.

Details like dung channel, inlet valve etc.

Treatment of liquid manure, e.g. heating, cooling, deodorization, etc.

Different ways of converting liquid animal waste.

Devices and methods for cleaning stable floor.
• may be automatic.

Apparatus for disposal or cleaning of waste-water.

References

Limiting references

This place does not cover:

| Treatment of manure | A01C 3/00 |
| Treatment of water, waste water, sewage or sludge | C02F |

A01K 1/0107

{Cat trays; Dog urinals; Toilets for pets}

Definition statement

This place covers:
Indoors or outdoors toilets for pets.

Cat litter box, may be portable, disposable.
• may include ventilation, filter system etc.
• may include magnetic pet litter system.

Ready-made fillings for such toilets, may be for independent use.

Toilets may have flushing means, adaptations for human toilets, disinfection means, etc.

Paw-cleaning litter mat.

Pet-sheet, may be absorbing, impregnated with perfume, deodorant, disinfectant, pesticide etc.
Device for training animals to use toilets.

A01K 1/011

{with means for removing excrement (A01K 1/0114 and A01K 1/0117 take precedence)}

Definition statement

This place covers:

In and outdoor toilets for pets, with automatic waste removement, by means of flushing, raking, etc.

may be connected to water supply, electric supply and to drains, e.g. household drains.

• may be litter-free, or using water soluble litter etc.
• may be movable.
• may have appliances for washing the pet.
• may include lavatory facility for toilet training.

Sanitizing apparatus for pet litter box, may have controllable temperature.
Sewerage device intended for domestic animals, cleaning device therefore.

References

Limiting references

This place does not cover:

| Litter boxes with screens for separating excrement from litter | A01K 1/0114 |
| With conveying belts for removing excrement                  | A01K 1/0117 |

A01K 1/0114

{Litter boxes with screens for separating excrement from litter}

Definition statement

This place covers:

Litter box may be portable.

Litter box may be disposable and may have litter included.

A litter box may contain a litter tray apparatus that collects particles of litter scattered from the paws.

The excrement may be separated by sifting, by means of:
  • rotating the Litter box.
  • a removable screen in corner of box.
  • lifting a reticulated structure from under the litter.
  • multiple layers of screens, etc.

Automated self-cleaning litter box:
  • by means of rake, comb, scoop, rotating auger etc.
  • may be direct responsive to the exit of a cat.
  • may include a rotatable enclosure.

Animal waste dispose apparatus by means of sifting.
Scoop for pet litter.

**Definition statement**

This place covers:

Pet toilets or cages with waste disposal system, by means of endless belts, a hopper, etc.

May include a washing device, or adjustable litter supply.
May be portable.

**A01K 1/0121**

{adapted to fit on conventional toilets}

**Definition statement**

This place covers:

Animal toilet adapted to fit on conventional toilets.

By means of adjustable toilet seat e.g. shelf segments, etc.

Litter box may be mountable on toilet.

- may use flushable litter;
- may include apparatus for training pets to use human toilet.

**A01K 1/0125**

{Foldable or collapsible litter boxes}

**Definition statement**

This place covers:

Foldable or collapsible litter boxes:

- may be (partly) disposable or made out of one piece.
- may be pre-filled with litter.
• may be lightweight, biodegradable etc.
• may contain deodorization, flea repellent material etc.

A01K 1/0128
{by means of scrapers or the like moving continuously}

Definition statement
This place covers:
Barn and pit floor scrapers and details therefore, e.g. coupling etc.
may be attachable to a conventional vehicle, e.g. tractor etc.
Component structures, e.g. scraper blades.

A01K 1/0132
{by means of scrapers or the like moving to-and-fro or step-by-step}

Definition statement
This place covers:
Scrapers or the like moving to-and-fro or step-by-step.
details therefor e.g. blades, hinge flap side etc.
may operate by means of a shoe, friction type mechanism etc.
Drive system for scraper, e.g. rails, continuous cable etc.

Scraper may be used on stable floor or pit.

A01K 1/0135
{by means of conveyor belts}

Definition statement
This place covers:
Manure removal by means of conveyor belts.
details therefor e.g. rolling-up device, use of non-sticking material, etc.
**A01K 1/0139**

*by means of screw conveyors*

**Definition statement**

*This place covers:*

Manure removal by means of screw conveyors, e.g. a worm conveyor, etc.

Details therefor e.g. a dung-collector-conveyor part, etc.

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**A01K 1/0142**

*by means of a moving piston*

**Definition statement**

*This place covers:*

Apparatus for conveying manure, e.g. manure transfer system.

- may include a pressure operated manure evacuation device, e.g. pressure chamber, etc.
- may include a manure pump, e.g. ram-type pump, manure transfer pump, etc.
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))

Definition statement
This place covers:
Manure removal, by means of manure-loaders, manure-ramps or manure-elevators.
details therefor, e.g. manure lifter with a carrying fork, etc.

References
Limiting references
This place does not cover:

| Independent manure-loaders | A01C 3/04 |

A01K 1/015
Floor coverings, e.g. bedding-down sheets {; Stable floors (for poultry cages A01K 31/007)}

Definition statement
This place covers:
Floors for stables or shelters, or their element.
Mats, beddings and other coverings for floors.
• may include a heating device, e.g. heating pads for small animals, etc.
• may include a drainage device.
• may contain zeolites.

Spreading devices for animal bedding material.
• may be automatic.

DE-C-828939

References

Limiting references

This place does not cover:

| Floors for poultry housings | A01K 31/007 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Housing animals; Equipment therefor. | A01K 1/00 |
| Removal of dung or urine. | A01K 1/01 |
| Pasturing equipment, e.g. tethering devices; Grids for... | A01K 3/002 |
| Heating arrangements. | A01K 31/20 |
| Arrangements for heating or lighting in, or attached to... | A01K 63/06 |
| Gratings; Grid-like panels. | E04C 2/42 |
| Heating systems. | F24D |

A01K 1/0151

{Grids; Gratings; Slatted floors}

Definition statement

This place covers:

Floors for stables and shelters, like grids, gratings and slatted floors.
may comprise heating device.

Details therefor, e.g. attached rubber tiles, ribbed floor, anti-slip, etc.

Attachment means for floors, e.g. locking and fastening elements, etc.

A01K 1/0152

{Litter}

Definition statement

This place covers:

Litter or sheets for use in animal stables, cages, etc.

- may be absorbent, deodorizing, dominating smells, insect repelling, biodegradable, dustless, coated, etc.
- may contain zeolites, sawdust, disinfecting substances, etc.
- may contain material for detecting infections.

Means and apparatus for making litter.

A01K 1/0154

{comprising inorganic material}

Definition statement

This place covers:

Litter comprising inorganic material, e.g. deodorants, insect repelling material, dyed, ph-indicating material, etc.
Litter may be absorbent, dust reducing, odour-inhibiting, etc.
Litter may comprise clay, gypsum, aluminium sulfate, material for detecting infections, etc.
Different means of processing litter.

**A01K 1/0155**
{comprising organic material}

**Definition statement**
This place covers:
Litter comprising organic material, e.g. (recycled) paper, wood, straw, etc.
Litter may be absorbing, clump able, dust reducing etc.
Methods for producing litter.

**A01K 1/0157**
{Mats; Sheets}

**Definition statement**
This place covers:
Mats and pet-sheets for use in animal stables or cages.
- may be absorbing liquid, odour adsorbing, e.g. liquid permeable top sheet, etc.
- may be moisture proof, washable, etc.
• may contain disinfectant etc.

Devices for cleaning cat's paws, e.g. magnetic pet litter system.

Floor covering for animal stables, may be suitable for covering floor/walls, e.g. animal matrass.

A01K 1/0158

{Floor heating or cooling systems}

Definition statement

This place covers:

Floor heating or cooling systems for in animal stables.

Details therefor, e.g. heating tube, etc.

Heating or cooling may be accomplishes by means of electrical heating units, water, etc.
**A01K 1/02**

**Pigsties; Dog-kennels; Rabbit-hutches or the like**

**Definition statement**

*This place covers:*

Farrowing pens and attachments.

Hog- or sheep shelters and -shades.

Calf boxes.

(Battery-) cages for piglets.

Pen buildings for hogs or sheep, if specially adapted therefor.

(Transport-) crates for pigs.

Details therefore, e.g. heating, ventilation, feeding system, etc.

Buildings may be movable, pre-fabricated, etc.
References

Informative references

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<td>Brooders</td>
<td>A01K31/15</td>
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A01K 1/0209

{Feeding pens for pigs or cattle}

Definition statement

This place covers:

Box-like confinements (normally for 1 animal) for ensuring mostly undisturbed feeding or drinking of an animal.

may include an identifying system, a balance, etc.

Closure/ opening of the box may be automatic.

Boxes may be transportable.

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</tbody>
</table>
Devices for immobilisation or restraint of animals... | A01K 1/0613
Milking stations. | A01K 1/12
Pasturing equipment, e.g. tethering devices. Grids for... | A01K 3/00
Feed troughs; feed pails. | A01K 5/01
Automatic identification systems for animals. | A01K 11/006

A01K 1/0218
{Farrowing or weaning crates}

Definition statement

This place covers:
Farrowing or weaning crates, mostly for pigs.
Details therefor, e.g. mats, side walls, piglet knee protector, etc.
Crates may include a heating device, registration device, etc.
Crates may be adjustable, collapsible, movable, etc.
Devices for preventing the sow to lie on the piglets.

A01K 1/0227
{Battery cages for piglets}

Definition statement

This place covers:
Method and apparatus for rearing pigs in cages.
Battery cages may be adjustable in size, movable, collapsible, etc.
Battery cages may include heating, ventilation and/or feeding systems, etc.

A01K 1/0236

{Transport boxes, bags, cages, baskets, harnesses for animals; Fittings therefor (for poultry A01K 31/002; for pigeons A01K 31/07)}

Definition statement

This place covers:

Transportation box for pets:
- may be collapsible, demountable.
- may be suitable for accommodation of animals.
- may have fastening means for mounting on a car seat.
- may be worn by user.

Harness/Restraining system for animals, may be attachable to seatbelt system.

Containment apparatus:
- may be suitable for transportation; shipping, by air, truck etc.
- may include an animal lying device.
References

Limiting references

This place does not cover:

| Poultry transport boxes                     | A01K 31/002 |
| Pigeons or similar transporting cages       | A01K 31/07  |

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)}

References

Limiting references

This place does not cover:

| Baby carriers                                 | A47D 13/02  |

A01K 1/03

Housing for domestic or laboratory animals

Definition statement

This place covers:

(Battery-) cages for lab animals, rabbits, fur animals, etc.

Details and elements therefore, e.g. doors, locks etc.

Show stand or -cages.

Cages may be movable, collapsible, portable, adjustable etc.

Cages may be adaptable to other cages.
Artificial burrows, e.g. for foxes.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Reference</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing animals; Equipment therefor.</td>
<td>A01K 1/00</td>
</tr>
<tr>
<td>Stable partitions.</td>
<td>A01K 1/0005</td>
</tr>
<tr>
<td>Cat trays; Dog urinals; Toilets for pets.</td>
<td>A01K 1/0107</td>
</tr>
<tr>
<td>Floor coverings, e.g. bedding-down sheets.</td>
<td>A01K 1/015</td>
</tr>
<tr>
<td>Devices for use in keeping domestic animals.</td>
<td>A01K 1/035</td>
</tr>
<tr>
<td>Feeding or drinking devices associated with cages.</td>
<td>A01K 1/0356</td>
</tr>
<tr>
<td>Washing, cleaning, or drying devices.</td>
<td>A01K 13/001</td>
</tr>
<tr>
<td>Dropping-boards; Devices for removing excrement.</td>
<td>A01K 31/04</td>
</tr>
<tr>
<td>Collapsible cages.</td>
<td>A01K 31/08</td>
</tr>
<tr>
<td>Rearing or breeding animals, not otherwise provided for.</td>
<td>A01K 67/00</td>
</tr>
</tbody>
</table>

A01K 1/031

{Cages for laboratory animals; Cages for measuring metabolism of animals}

Definition statement

This place covers:

Cages for laboratory animals, e.g. breeding cages, etc.
- may include an (automatic) drinking- and feeding system, sanitation system, etc.
- may include a ventilating system, filter cap, etc.
- may include a sample collection and drug delivery apparatus, toxin testing devices, etc.
- may include a device for measuring animal behaviour.

Details therefor, e.g. cage locks, etc.
Rack systems for cages.

A01K 1/032

{Rabbit-hutches or cages}

**Definition statement**

*This place covers:*

Rabbit-hutches, cages or display units.
- may be movable, collapsible, etc.
- may include a nest box.

Feeding-drinking devices for these cages.

A01K 1/033

{Cat or dog houses}

**Definition statement**

*This place covers:*

Cat or dog houses or shelters, may be foldable, transportable, adaptable in size, etc.

Houses or shelters may include ventilation/ climate control systems, etc.
Animal play-units and all-in-one animal houses.

A01K 1/034

{Dog-kennels}

Definition statement

This place covers:
Dog kennel, may be movable, collapsible, portable, etc.

Kennel may include an exercise area, shelter, etc.

Details therefor, door lock, isolating means, drainage system, etc.
A01K 1/035

Devices for use in keeping domestic animals, e.g. fittings in housings or dog beds

**Definition statement**

*This place covers:*

Details of (laboratory-) caging system, e.g. demanuring, heating, ventilation, nesting, doors, etc.

Structures for monitoring or investigating laboratory animals’ behaviour.

Devices offering various facilities combined, for pets e.g. playing facilities.

Sanding facilities for e.g. chinchilla cages.

Cage washing devices.

Brooders for quadrupeds.

Portable steps for animals, e.g. dog ramp, etc.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Topic</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air-conditioning, e.g. ventilation, of animal housings.</td>
<td>A01K 1/0047</td>
</tr>
<tr>
<td>Cat trays; Dog urinals; Toilets for pets.</td>
<td>A01K 1/0107</td>
</tr>
<tr>
<td>Floor coverings, e.g. bedding-down sheets.</td>
<td>A01K 1/015</td>
</tr>
<tr>
<td>Dog beds.</td>
<td>A01K 1/0353</td>
</tr>
<tr>
<td>Washing, cleaning, or drying devices.</td>
<td>A01K 13/001</td>
</tr>
<tr>
<td>Training or exercise equipment.</td>
<td>A01K 15/02</td>
</tr>
<tr>
<td>Other apparatus for animal husbandry.</td>
<td>A01K 29/00</td>
</tr>
<tr>
<td>Housing birds.</td>
<td>A01K 31/00</td>
</tr>
<tr>
<td>Dropping boards; Devices for removing excrement.</td>
<td>A01K 31/04</td>
</tr>
<tr>
<td>Serving doors; Passing through doors.</td>
<td>E06B 7/32</td>
</tr>
</tbody>
</table>

**A01K 1/0353**

**{Dog beds}**

**Definition statement**

*This place covers:*

Pet sheets, blankets, beds, matrasses, etc.

- may be foldable, collapsible, portable, etc.
- may be chew-proof.
- may contain fluid, wood-shavings, foam, etc.

Details therefor, e.g. coverings, flea and insect rappelling elements, etc.
**A01K 1/0356**

{Feeding or drinking devices associated with cages (for poultry \textit{A01K 31/005}, \textit{A01K 31/17}, \textit{A01K 39/00}; for birds \textit{A01K 31/06})}

**Definition statement**

*This place covers:*

Feeding and/or drinking devices adapted for small animal cages, e.g. bird cages, etc.

May include a control system, multiple-dosage system, toy function, etc.

Details therefor, e.g. securing apparatus, etc.

Devices may be gnaw resistant.

**References**

**Limiting references**

*This place does not cover:*

<table>
<thead>
<tr>
<th>For poultry</th>
<th>\textit{A01K 31/005}, \textit{A01K 31/17}, \textit{A01K 39/00}</th>
</tr>
</thead>
<tbody>
<tr>
<td>For birds</td>
<td>\textit{A01K 31/06}</td>
</tr>
</tbody>
</table>

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

<table>
<thead>
<tr>
<th>Housing for domestic or laboratory animals.</th>
<th>\textit{A01K 1/03}</th>
</tr>
</thead>
<tbody>
<tr>
<td>Devices for use in keeping domestic animals.</td>
<td>\textit{A01K 1/035}</td>
</tr>
<tr>
<td>Feed troughs; Feed pails.</td>
<td>\textit{A01K 5/01}</td>
</tr>
<tr>
<td>Feeding devices</td>
<td>\textit{A01K 39/01}</td>
</tr>
<tr>
<td>For solid feed, e.g. grit-cake holders</td>
<td>\textit{A01K 39/0106}</td>
</tr>
</tbody>
</table>
**A01K 1/04**

**Tethering-poles or the like**

**Definition statement**

*This place covers:*

Means for attaching chains or the like to a fixed structure, to the ground or to a vehicle.

Attachment may be fixed or movable.

The means must be other than mere hooks, eyes or the like.

Guiding rails or cables, for attaching chains, etc.

---

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Devices for fastening animals, e.g. halters, toggles, ...</th>
<th>A01K 1/06</th>
</tr>
</thead>
<tbody>
<tr>
<td>Devices for grooming or caring of animals; Tail-holders...</td>
<td>A01K 13/00</td>
</tr>
<tr>
<td>Training or exercise equipment.</td>
<td>A01K 15/02</td>
</tr>
<tr>
<td>Leads or collars, e.g. for dogs.</td>
<td>A01K 27/00</td>
</tr>
</tbody>
</table>

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**A01K 1/06**

**Devices for fastening animals, e.g. halters, toggles, neck-bars or chain fastenings**

**Definition statement**

*This place covers:*

Devices for fastening animals to stable structures: may include chains, movable braces, etc.

Combinations of grids and other fastening means.

Devices for automatically trapping an animal, by means of automatically trapping an element, around the neck of an animal.
Cattle head gate assembly, may be automatic.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Term</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable partitions</td>
<td>A01K 1/0005</td>
</tr>
<tr>
<td>Feeding pens for pigs or cattle</td>
<td>A01K 1/0209</td>
</tr>
<tr>
<td>Tethering-poles or the like</td>
<td>A01K 1/04</td>
</tr>
<tr>
<td>Stanchions</td>
<td>A01K 1/0606</td>
</tr>
<tr>
<td>Chain fastenings</td>
<td>A01K 1/064</td>
</tr>
<tr>
<td>Arrangements for simultaneously releasing several animals</td>
<td>A01K 1/08</td>
</tr>
</tbody>
</table>

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

- Halter: an arrangement of straps fixed around an animal's head and used to lead or tie-up livestock.

- Neck-bar: a mechanical device for restraining animals (e.g. cows) by clamping their necks in a releasable frame or cage.

**A01K 1/0606**

{by means of grids with or without movable locking bars (A01K 1/08 takes precedence)}

Definition statement

This place covers:

Grids for fastening animals between grids.

may have no, some or only movable bars. Bars may be movable in any plane or way.
Details therefor, e.g. locking systems, feeding rack beam, anti-hanging system, etc.

References

Limiting references

This place does not cover:

| Simultaneously releasing several animals | A01K 1/08 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Stable partitions | A01K 1/0005 |
| Feeding pens for pigs or cattle | A01K 1/0209 |
| Devices for fastening animals, e.g. halters, toggles, | A01K 1/06 |
| Devices for immobilisation or restraint of animals, | A01K 1/0613 |
| Neck-bars | A01K 1/062 |
| Feed racks | A01K 1/10 |
| Milking stations | A01K 1/12 |

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)}

Definition statement

This place covers:

Devices, in particular pens or boxes, for immobilising animals, e.g. animal chute, squeeze, crusher, etc.

may include animal head restrainer, weighing appliances, etc.

Devices may be mountable on a vehicle, portable, adjustable in size, etc.

The immobilisation is confining or cramping rather than fettering, lifting and/or overturning may be additional.
Details for these devices, e.g. doors, tail gates, etc.
Starting boxes for rodeos, pig holders, sheep cradles, drafting gates, etc.

References

Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Pens for animals while being shod</th>
<th>A01L 13/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appliances for supporting or fettering animals for operative purposes</td>
<td>A61D 3/00</td>
</tr>
</tbody>
</table>

Informative references
Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Stable partitions</th>
<th>A01K 1/0005</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pigsties; Dog-kennels; Rabbit hutches or the like</td>
<td>A01K 1/02</td>
</tr>
<tr>
<td>Feeding pens for pigs or cattle</td>
<td>A01K 1/0209</td>
</tr>
<tr>
<td>By means of grids with or without movable locking bars</td>
<td>A01K 1/0606</td>
</tr>
<tr>
<td>Pasturing equipment, Corrals, Grids for preventing cattle.</td>
<td>A01K 3/00</td>
</tr>
<tr>
<td>Devices for grooming or caring of animals</td>
<td>A01K 13/00</td>
</tr>
<tr>
<td>Devices for taming animals, overturning animals.</td>
<td>A01K 15/00</td>
</tr>
<tr>
<td>Other apparatus for animal husbandry</td>
<td>A01K 29/00</td>
</tr>
<tr>
<td>Slaughtering or stunning by electric current</td>
<td>A22B 3/06</td>
</tr>
<tr>
<td>Accessories for use during or after slaughtering</td>
<td>A22B 5/00</td>
</tr>
<tr>
<td>Slaughter pens</td>
<td>A22B 5/02</td>
</tr>
<tr>
<td>Slaughterhouse arrangements</td>
<td>A22B 7/00</td>
</tr>
</tbody>
</table>

A01K 1/062

Neck-bars {, e.g. neck collars}

Definition statement
This place covers:
Devices for tying up an animal; stanchions suspended from a structural part above, forming a movable collar-like frame.
may be automatic; self-locking.

Details therefor, e.g. alignment device, triggering mechanism, etc.

Stanchions do not form part of, nor cooperate with, a grid. They are independent of grids.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Devices for fastening animals. | A01K 1/06 |
| Arrangements for simultaneously releasing several animals. | A01K 1/08 |

**A01K 1/064**

Chain fastenings

**Definition statement**

This place covers:

Devices for fastening chains, or similar elements around animals' necks, to the stable structure.

may be fastened around the necks or bellies of the animals.

Fastening point(s) to stable may be movable.

Fastening element is carried by animal, independent of the stable structure.
Details therefore, e.g., hooks, halter fittings, etc.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Stable partitions                          | A01K 1/0005 |
| Tethering- poles or the like               | A01K 1/04   |
| Devices for fastening animals              | A01K 1/06   |
| Arrangements for simultaneously releasing several animals | A01K 1/08 |

A01K 1/08

Arrangements for simultaneously releasing several animals

Definition statement

This place covers:

Devices for simultaneously releasing several fastening animals.

may be released by e.g. chain mechanism, etc. (Less important)

Fastening means may be of any possible kind.

Release means may be automatic, by hand, etc. (e.g. connected with door controls, or frightening means).
Parts of stable may be movable.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Devices for fastening animals.</th>
<th>A01K 1/06</th>
</tr>
</thead>
<tbody>
<tr>
<td>By means of grids with or without movable locking bars</td>
<td>A01K 1/0606</td>
</tr>
<tr>
<td>Neck-bars</td>
<td>A01K 1/062</td>
</tr>
<tr>
<td>Chain fastenings</td>
<td>A01K 1/064</td>
</tr>
</tbody>
</table>

A01K 1/10

Feed racks

Definition statement

This place covers:
Barriers or containers for feeding roughage, indoors or outdoors. (except for poultry or small animals) may be movable (by animal or motor), portable, collapsible, transportable.
Devices may contain a trough, incorporated in e.g. a hay rack.
Barriers may be electrified and may consist of e.g. a feeding rack, etc.
Details therefor, e.g. fastening grids, etc.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Housing animals; Equipment therefor | A01K 1/00 |
| Stable partitions                   | A01K 1/0005 |
| Feeding or drinking devices associated with cages. | A01K 1/0356 |
| By means of grids with or without movable locking bars | A01K 1/0606 |
| Feeding devices for stock or game | A01K 5/00 |
| Feed troughs; Feed pails           | A01K 5/01 |
| devices for impeding movement of animals | A01K 15/04 |

**A01K 1/105**

{Movable feed barriers, slides or fences}

Definition statement

*This place covers:*

Movable feed barriers, slides or fences for use in or outside the stable. Mainly for cattle.

by means of moving fodder to the barriers or moving the barriers to the fodder.

Barriers are movable by means of wheels, rails, guiding cables, etc.
may include a motor.

A01K 1/12
Milking stations (devices for milking A01J 1/00 - A01J 9/00)

Definition statement

This place covers:
Milking parlours or stables.

may be movable or transportable, e.g. outdoors.

Equipment therefor, except milking systems, e.g. feeding devices, udder massage and cleaning devices, identification methods, etc.

Fastening devices specially adapted to milking stations.

Cow positioning methods and apparatus, e.g. including crowd gate.

Door controls for milking-parlours, if part of a whole structure.
References

Limiting references

This place does not cover:

- Devices for milking

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing animals; Equipment therefor</td>
<td>A01K 1/00</td>
</tr>
<tr>
<td>Stable partitions</td>
<td>A01K 1/0005</td>
</tr>
<tr>
<td>Feeding pens for pigs or cattle</td>
<td>A01K 1/0209</td>
</tr>
<tr>
<td>By means of grids with or without movable locking bars</td>
<td>A01K 1/0606</td>
</tr>
<tr>
<td>Automatic identification systems for animals</td>
<td>A01K 11/006</td>
</tr>
<tr>
<td>Washing, cleaning, or drying devices</td>
<td>A01K 13/001</td>
</tr>
</tbody>
</table>

A01K 1/123

{Mobile milking parlours}

Definition statement

This place covers:
Mobile milking parlours, may be used in barn and on pasture ground.
- may be motor-driven.
- may be foldable, transportable, etc.
- may be computer controlled.

A01K 1/126

{Carousels}

Definition statement

This place covers:
Milk units are arranged in carousel.
- may be mobile.
- may include rotary animal platform.
Details therefor, e.g. movement detectors, movable floor, wash-system, drive arrangements, etc.

**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 (electric circuits or apparatus for supplying electric wire fencing H05C)

**Definition statement**

This place covers:

Fences and corrals for outdoor use, may be portable, collapsible, transportable or fixed.

may be electrified or may include chemicals.

Corrals may be combined with shelters, etc.

Fences may serve as windbreak.

Tools for installing or dismantling fences.

Details therefor, e.g. fastening devices, wire tightening equipment, posts, etc.
**References**

**Limiting references**

This place does not cover:

| electric circuits or apparatus for supplying electric wire fencing | H05C |

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Housing animals; Equipment therefor | A01K 1/00 |
| Stable partitions | A01K 1/0005 |
| Tethering-poles or the like | A01K 1/04 |
| Feed racks | A01K 1/10 |
| Feeding devices for stock or game | A01K 5/00 |
| Training or exercise equipment | A01K 15/02 |
| Slaughterhouse driving corridors | A22B 7/00 |
| Construction of fencing in general, | E04H 17/00 |

**A01K 3/002**

{Grids for preventing cattle from straying}

**Definition statement**

This place covers:

Devices for preventing animals from passing through a gap in a fence where a road is passing. Vehicles or pedestrians may pass freely.

by means of grids, gates, etc.

Grids may be electrified or include movable parts, etc.

Gutter guards (other then mere gratings or the like), preventing cattle from stepping into gutters in stables.

Electronic cattle guard.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Topic</th>
<th>CPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floor coverings, e.g. bedding-down sheets</td>
<td>A01K 1/015</td>
</tr>
<tr>
<td>Cat or dog houses</td>
<td>A01K 3/005</td>
</tr>
<tr>
<td>Training or exercise equipment</td>
<td>A01K 15/02</td>
</tr>
<tr>
<td>Devices for impeding passage through fencing</td>
<td>A01K 15/04</td>
</tr>
<tr>
<td>Road profiles</td>
<td>E01F 13/00</td>
</tr>
</tbody>
</table>

A01K 3/005

{Electrified wire fencing (circuits H05C)}

Definition statement

This place covers:

Electric wire fencing, may be portable, movable, etc.

Components therefor, e.g. wire or tape, isolators, posts, etc.

Apparatus for dispensing and collecting electrified wire, may be attachable to vehicle.

Electrified gates, with e.g. electric fence panels, etc.

References

Limiting references

This place does not cover:

Electric circuits devices or apparatus for supplying electric wire fencing H05C
**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Grids for preventing cattle from straying. | A01K 3/002 |
| Fencing in general | E04H 17/00 |
| Fence-wire. | H01B 5/008 |
| Insulators; handles. | H01B 17/145 |

**A01K 5/00**

Feeding devices for stock or game (**A01K 1/10** takes precedence; feeding devices for poultry or other birds **A01K 39/00**); Feeding wagons; Feeding stacks)

**Definition statement**

This place covers:

- Feeders for roughage or general feed dispensing, may be transportable.
- Tractor borne feeders, mainly for outdoor use.
- Grating or roughage feeding corrals or barriers, transportable for outdoor use.
- Mobile feeding stations, may include shelters.
- Bale distributors or -shredders for (outdoor) feeding.
- Feeders may contain mixers. (e.g. mixing, mincing, weighing devices etc.)
- Feeding wagons.
- Feeding stacks.

**References**

**Limiting references**

This place does not cover:

| Feed racks | A01K 1/10 |
| feeding devices for poultry or other birds | A01K 39/00 |
Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Feeding or drinking devices associated with cages</th>
<th>A01K 1/0356</th>
</tr>
</thead>
<tbody>
<tr>
<td>By means of grids with or without movable locking bars</td>
<td>A01K 1/0606</td>
</tr>
<tr>
<td>Pasturing equipment; Grids for preventing cattle from</td>
<td>A01K 3/00</td>
</tr>
<tr>
<td>Automatic devices</td>
<td>A01K 5/02</td>
</tr>
<tr>
<td>With stable trolleys</td>
<td>A01K 5/0266</td>
</tr>
<tr>
<td>Distributing roughage</td>
<td>A01D, A01F</td>
</tr>
<tr>
<td>Preparing animal feed and roughage</td>
<td>A23N 17/00</td>
</tr>
<tr>
<td>Animal feed mixers</td>
<td>B01F 7/00658</td>
</tr>
</tbody>
</table>

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Stock: animals kept or raised for use or pleasure

A01K 5/001

{Fodder distributors with mixer or shredder (adaptations of cutting machine A01F 29/00)}

Definition statement

This place covers:

Devices for mixing or shredding and distributing fodder.
• may be mountable on vehicle.

Details therefor, e.g. cutter blade, loaders, etc.
**References**

**Limiting references**

This place does not cover:

| Cutting apparatus specially adapted for cutting hay, straw or the like | A01F 29/00 |

A01K 5/002

{with mixing or shredding element rotating on horizontal axis}

**Definition statement**

This place covers:

Fodder distributors including a mixing or rotating element on a horizontal axis.

may be mountable or attachable to vehicle, e.g. tractor.

Details therefor, e.g. screws, cutting blade, scraping blades, etc.

Devices may include on or more mixing units, dispensing apparatus, etc.

![Diagram](image-url)


A01K 5/004

{with mixing or shredding element rotating on vertical axis}

**Definition statement**

This place covers:

Fodder distributors including a mixing or rotating element on a vertical axis.

may be mountable or attachable to vehicle, e.g. tractor.

Devices may include weighing machine, mixing container, loading mechanism etc.
Details therefor, e.g. blades, etc.

A01K 5/005

{where fodder, e.g. bales, is conveyed by conveyor or slide to mixing or shredding elements on transversal and horizontal axes}

Definition statement

This place covers:
Devices including a conveyor or slide to mixing or shredding elements, including transversal and horizontal axes.
• may be mountable or attachable to vehicle, e.g. tractor.
• may include bale un-roller, bale loosening system, (un)loader, etc.

Details therefor, e.g. ejector, mixer, cutter, etc.

A01K 5/007

{with mixing or shredding area contained inside an endless chain or belt conveyor}

Definition statement

This place covers:
Devices with mixing or shredding area contained inside an endless chain or belt conveyor.
• may be attachable to vehicle.
• mixing element may be movable.
Details therefor, e.g. measuring equipment, cutting member, etc.


A01K 5/008

{Feed bags}

Definition statement

This place covers:
Feed bags, mostly for horses.
Details therefor, e.g. attachments for feed bags, etc.
Bucket holders, e.g. for rearing calves, etc.
Feeding containers for animals, pig troughs, bracket for animal feeders, etc.
Devices may be portable, collapsible, etc.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Details or accessories; Fastening devices for bridles, reins, harnesses, or the like | B68B 5/00 |
| Nose-bags for oats | B68B 5/06 |

A01K 5/01

Feed troughs; Feed pails \(\text{(A01K 1/10 takes precedence)}\)

Definition statement

*This place covers:*

- Animal feed containers, may include cover lid, etc.
- Feed troughs, may include reservoir, etc.
- Racks for feeding bales of hay.
- Feeding device holder, e.g. bucket holder, etc.
- Feeding devices, may be movable, mountable (on walls, vehicles etc.), portable, adjustable, etc.
- Feeding devices may be automatic, may include a weighing device, lifting system, etc.

References

Limiting references

*This place does not cover:*

| Feed racks | A01K 1/10 |
Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Informative references</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing animals; Equipment therefor</td>
<td>A01K 1/00</td>
</tr>
<tr>
<td>Stable partitions</td>
<td>A01K 1/0005</td>
</tr>
<tr>
<td>Devices for use in keeping domestic animals</td>
<td>A01K 1/035</td>
</tr>
<tr>
<td>Feeding or drinking devices associated with cages</td>
<td>A01K 1/0356</td>
</tr>
<tr>
<td>Licking-stone holders</td>
<td>A01K 5/015</td>
</tr>
<tr>
<td>Automatic devices</td>
<td>A01K 5/02</td>
</tr>
<tr>
<td>Gravity replenishment from a reserve</td>
<td>A01K 5/0225</td>
</tr>
<tr>
<td>With timing mechanisms</td>
<td>A01K 5/0291</td>
</tr>
<tr>
<td>Watering equipment for stock or game</td>
<td>A01K 7/00</td>
</tr>
<tr>
<td>Feeding or drinking appliances for poultry or other birds</td>
<td>A01K 39/00</td>
</tr>
<tr>
<td>Feed troughs; Feed throwers</td>
<td>A01K 39/014</td>
</tr>
</tbody>
</table>

A01K 5/0107

{Transportable fodder pails or troughs}

Definition statement

This place covers:

Transportable feeding devices, e.g. (round) hay racks, etc.
- may be collapsible, portable, etc.
- may include watering device.
- may include shelter for animals.

Devices may be mountable on vehicle.

Details therefor, e.g. coupling system, etc.
**A01K 5/0114**

{Pet food dispensers; Pet food trays (time-controlled A01K 5/0291)}

**Definition statement**

This place covers:

Feeding devices for pets, e.g. cats and dogs, etc.
- may include aroma, insect repelling devices, etc.
- may be automatic, portable, collapsible, etc.
- may include animal detection system.

Feed bowl support devices, covering for feed bowls, etc.

Pet food toys, e.g. toy ball feeder, treat dispensing toy, etc.

---

**References**

*Limiting references*

This place does not cover:

| Time-controlled dispensers | A01K 5/0291 |

---

**A01K 5/015**

Licking-stone holders {; Other dispensers for minerals}

**Definition statement**

This place covers:

(Minerals, salt) Licking-stone holders, mostly for pets and farm animals.
- may be inserted in an animal feed container.
Details therefor, e.g. hoops for protection, etc.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Salt blocks | A23K 10/40 |

A01K 5/02

Automatic devices {(automatic identification devices for stock A01K 11/006)}

Definition statement

This place covers:

Automatic feeding devices and apparatus for controlling/monitoring animal feeding.
  • by means of computer systems, registration device, solar actuated, etc.

Devices may control animal drug usage, feed components, temperature of food, mixture, etc.

Devices may include weighing apparatus, dosage system, etc.

Details therefor, e.g. valve, gate device for automatic feeding apparatus, etc.
Boredom-reducing feeding devices.


References

Limiting references

This place does not cover:

| Automatic identification devices for stock | A01K 11/006 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Feeding or drinking devices associated with cages | A01K 1/0356 |
| Milking stations | A01K 1/12 |
| Feeding devices for stock or game | A01K 5/00 |
| Feed troughs; Feed pails | A01K 5/01 |
| Automatic devices | A01K 5/02 |
| Feeding devices | A01K 39/01 |
| Filling automatically | A01K 39/012 |
| Combined feeding and drinking appliances | A01K 39/04 |
| Distributing forage | A01F 25/00 |

A01K 5/0208

{with conveyor belts or the like}

Definition statement

This place covers:

Automatic feeding devices with conveyor belts or the like.
Weighing or dosing means may be incorporated.

Devices may include apparatus for tensioning a belt, belt retainer, stop device, etc.

Devices may be adjustable.

Cleaner apparatus for feeding devices with conveyor belt.

---

**A01K 5/0216**

{for the distribution of liquid fodder (**A01K 9/00** takes precedence)}

**Definition statement**

*This place covers:*

Devices for (automatically) distributing fluid fodder, e.g. milk, slurry or paste, or other fluids, e.g. medication.

Devices may include, pumps, valves, pipes, dosage systems, containers, heaters, dispensing means (incidentally teats), etc.

Mixing devices to prepare the fodder.

Cleaning devices therefor.

Devices may be mountable on vehicles, e.g. trolleys.

Dispensing means may include licking wheels or -balls.
References

Limiting references

This place does not cover:

| Sucking apparatus for young stock | A01K 9/00 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Feed troughs; Feed pails | A01K 5/01 |
| Watering equipment etc. | A01K 7/00 |
| Feeding or drinking appliances for bees | A01K 53/00 |
| Preparing foodstuff | A23N 17/00 |

A01K 5/0225

{Gravity replenishment from a reserve, e.g. a hopper (for poultry A01K 39/012)}

Definition statement

This place covers:

Feeding devices combined with a hopper or the like, e.g. combination hopper-trough.

may include drinking device.

Devices may include, dosing, weighing or timing means, e.g. pet feeder.

Details therefor, e.g. gate mechanism, dispensing mechanism, mixer, etc.
Self-feeding silo's.

References

Limiting references

This place does not cover:

For poultry

Informative references

Attention is drawn to the following places, which may be of interest for search:

- Feeding or drinking devices associated with cages
- Feed racks
- Feeding devices for stock or game
- Feed troughs; Feed pails
- Licking-stone holders
- Automatic devices
- For the distribution of liquid fodder
- With mechanisms for delivery of measured doses
- With timing mechanisms
- Watering equipment for stock or game
**A01K 5/0233**

{dispensing by dosing means actively operated by the animal}

**Definition statement**

*This place covers:*

Feeding devices dispensing by dosing means, actively operated by the animal.

Dosing devices may operate by means of e.g. a counter weight, remote control, valves, ball check, nipple feeder, etc.

may be in combination with a trough unit, feed transport device, drinking device, etc.

Devices may dispense solid or liquid food.

---

**A01K 5/0241**

{dispensing by means of stirring mechanisms or agitators operated by the animal}

**Definition statement**

*This place covers:*

Feeding devices dispensing by means of stirring mechanisms or agitators operated by the animal.

By means of a (rotating) wheel, rotor blades, ball check, a rod, deflector, etc.

Feeding devices may include water system.
Devices may dispense solid or liquid food.

**A01K 5/025**

{with access to feeding place or trough only possible through access doors or lids to be opened by the animal}

**Definition statement**

*This place covers:*

Feeding devices with access to feeding place or trough only possible through access doors or lids to be opened by the animal.

By means of a (reciprocable) closure unit, open and closed by activation unit.
- may be activated by weight of animal, registration system (sensor), timer, etc.

Feeding devices may include controllable gates
Details therefor, e.g. hinge mechanism, etc.

A01K 5/0258

{with endless screws}

**Definition statement**

This place covers:

Automatic feeding devices with endless screw.
- may include a hopper, adjustable (un-) loader, feed lever sensor, feed intake cup apparatus, etc.
- may be computer controlled.
- may be movable, attachable to wall, etc.

A01K 5/0266

{with stable trolleys, e.g. suspended}

**Definition statement**

This place covers:

Automatic feeding devices by means of trolleys for animals in stables (including poultry).
- may include a reserve (e.g. one or more hoppers), mixing device, timing device or dosing device, identification device, etc.

Trolleys may be movable by rails, tracks, attachable to vehicle (e.g. tractor), etc.
Movements may be reciprocating, e.g. along an circular path.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Feeding devices for stock or game</th>
<th>A01K 5/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>With mechanisms for delivery of measured doses</td>
<td>A01K 5/0275</td>
</tr>
<tr>
<td>Sucking apparatus for young stock</td>
<td>A01K 9/00</td>
</tr>
<tr>
<td>Feeding devices</td>
<td>A01K 39/01</td>
</tr>
<tr>
<td>Distributing storage</td>
<td>A01F 25/00</td>
</tr>
<tr>
<td>Preparing foodstuff</td>
<td>A23N 17/00</td>
</tr>
</tbody>
</table>

**A01K 5/0275**

{with mechanisms for delivery of measured doses (**A01K 5/0233** takes precedence)}

**Definition statement**

*This place covers:*

Feeding devices by means of mechanisms for delivery of measured doses.

- may transport solid and/or liquid food. Water devices may be included.

Devices may include means of weighing, timing mechanisms, metering unit(s), hopper(s), conveyors, mixing devices, etc.
Details therefor, e.g. pipes, valves, etc.

References

Limiting references

This place does not cover:

| Dosing means actively operated by the animal | A01K 5/0233 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Automatic devices</th>
<th>A01K 7/02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other apparatus for animal husbandry</td>
<td>A01K 29/00</td>
</tr>
<tr>
<td>Feeding devices</td>
<td>A01K 39/01</td>
</tr>
<tr>
<td>Filling automatically</td>
<td>A01K 39/012</td>
</tr>
<tr>
<td>Other aviculture appliances</td>
<td>A01K 45/00</td>
</tr>
<tr>
<td>Feeding devices for fish</td>
<td>A01K 61/80</td>
</tr>
<tr>
<td>Feed or fodder as such</td>
<td>A23K 10/00</td>
</tr>
<tr>
<td>Preparing feed or fodder</td>
<td>A23N 17/00</td>
</tr>
</tbody>
</table>

A01K 5/0283

{by weight}

Definition statement

This place covers:

Automatic feeding devices with mechanics for delivery of measured doses by means of weighing.

Weighing may occur at any point of the system. (starting e.g. at the silo).

Weighing of (refused) feed or animals (any kind) may be included.

Devices may include a timing device, registration device, etc.
Included are weighing means for controlling the duration of distribution to stations where no weighing occurs.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>With mechanisms for delivering of measuring doses</th>
<th>A01K 5/0275</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other apparatus for animal husbandry</td>
<td>A01K 29/00</td>
</tr>
<tr>
<td>Other aviculture appliances</td>
<td>A01K 45/00</td>
</tr>
</tbody>
</table>

A01K 5/0291

{with timing mechanisms, e.g. pet feeders}

Definition statement

This place covers:

Automatic feeding devices with timing mechanisms. For all kinds of animals.

Timing mechanisms must be of some specific importance.

Devices may include dosing means, weighing apparatus, etc.
Access can be given by opening lids, dispensing food, discovering bowls, switching off electric barriers, etc.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Feed troughs; Feed pails</th>
<th>A01K 5/01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dosing feed</td>
<td>A01K 5/0275</td>
</tr>
<tr>
<td>Other apparatus for animal husbandry</td>
<td>A01K 29/00</td>
</tr>
<tr>
<td>Feeding devices</td>
<td>A01K 61/80</td>
</tr>
<tr>
<td>Preparing foodstuff</td>
<td>A23N 17/00</td>
</tr>
</tbody>
</table>

A01K 7/00

Watering equipment for stock or game

Definition statement

This place covers:
Watering equipment for animals, e.g. troughs, buckets, bowls, etc.
• may be portable, foldable, elevated, collapsible, etc.

Watering devices may include fastening means, temperature controlling systems, anti-freeze, etc.
Details therefor, e.g. drinking fountains, vessels, teats, etc.
Devices may be combined with feeders.
Troughs may have water in- and outlets.

References
Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Topic</th>
<th>CPC Code</th>
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<tbody>
<tr>
<td>Feeding or drinking devices associated with cages</td>
<td>A01K 1/0356</td>
</tr>
<tr>
<td>Feed troughs; Feed pails</td>
<td>A01K 5/01</td>
</tr>
<tr>
<td>Sucking apparatus for young stock</td>
<td>A01K 9/00</td>
</tr>
<tr>
<td>Drinking appliances</td>
<td>A01K 39/02</td>
</tr>
<tr>
<td>Combined feeding and drinking appliances</td>
<td>A01K 39/04</td>
</tr>
</tbody>
</table>

**A01K 7/02**

**Automatic devices {; Medication dispensers}**

**Definition statement**

This place covers:

Automatic watering devices, disclosing several of the features of groups A01K 7/022- A01K 7/06.

Devices may deliver medicine, disinfectants, e.g. vaccination delivery system.

Devices may comprise feeding system.

Devices may be controlled by weight or level of water, e.g. water-level regulator, etc.

Feed-moisturizing devices, without feeder characteristics.
Devices may include dosing system, filling system, identification system, time-controlling system, anti-freeze devices, etc.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Subjects</th>
<th>CPC</th>
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</thead>
<tbody>
<tr>
<td>Feeding or drinking devices associated with cages</td>
<td>A01K 1/0356</td>
</tr>
<tr>
<td>Feed troughs; Feed pails</td>
<td>A01K 5/01</td>
</tr>
<tr>
<td>Preparing feed fluid</td>
<td>A01K 5/0216</td>
</tr>
<tr>
<td>Watering equipment for stock or game</td>
<td>A01K 7/00</td>
</tr>
<tr>
<td>Sucking apparatus for young stock</td>
<td>A01K 9/00</td>
</tr>
<tr>
<td>Drinking appliances</td>
<td>A01K 39/02</td>
</tr>
<tr>
<td>Water valves</td>
<td>F16K</td>
</tr>
<tr>
<td>Dosing</td>
<td>G05D</td>
</tr>
</tbody>
</table>

**A01K 7/022**

{Pumps actuated by the drinking animal}

**Definition statement**

This place covers:

Watering devices including pumps actuated by the drinking animal, e.g. piston pumps, vane pumps, etc.

by means of a pedal, movement detector, etc.
Devices may include liquid containing food.

A01K 7/025

{Water tanks}

**Definition statement**

This place covers:

Watering devices where a heating and/or insulating aspect or a tank aspect is included.

Details or systems for tanks or containers, e.g. connections therefor, etc.

Devices may include filters, troughs or valves, etc.

Heating and cooling devices, e.g. cooling disk, electrical heater, etc.

Anti-freeze devices, (ice-fishing hole heater).

Thermal insulation means.
Devices may include anti-burst devices, e.g. expansion plugs.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>For the distribution of liquid fodder</th>
<th>A01K 5/0216</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watering equipment for stock or game</td>
<td>A01K 7/00</td>
</tr>
</tbody>
</table>

A01K 7/04

actuated by float

Definition statement

This place covers:

Automatic drinking devices actuated by floats.

Details therefor, e.g. float valve mechanism, valves, etc.

Water control valve may be adjustable.
Devices may include feeding system.

**A01K 7/06**

acted by the animal {through valve control (for poultry A01K 39/0213)}

**Definition statement**

*This place covers:*

Automatic drinking devices actuated by the animal, by means of valves.

Devices may include bowl, troughs, cups, etc.

Actuation may be indirect, e.g. step-board switch.

Auxiliary features therefor, e.g. heating, fastening, etc.

Devices may be frost-proof.

**References**

**Limiting references**

*This place does not cover:*

| Nipple drinkers for poultry | A01K 39/0213 |
Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Description</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sucking apparatus for young stock.</td>
<td>A01K 9/00</td>
</tr>
<tr>
<td>Valve features</td>
<td>F16K 1/00</td>
</tr>
</tbody>
</table>

A01K 9/00

Sucking apparatus for young stock {; Devices for mixing solid food with liquids}

Definition statement

This place covers:
Devices for mixing or delivering liquid feed, e.g. milk substitute, to teats for young animals.
Details therefor, e.g. teats, guiding means (e.g. moving grids), weighing means, mixing devices, etc.
Devices may be movable, e.g. on stable rails.
Devices may include registration system, dry feeding system, etc.
An additional ingredient may be added by mixing, e.g. medicine.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Description</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pigsties; Dog-kennels; Rabbit-hutches or the like</td>
<td>A01K 1/02</td>
</tr>
<tr>
<td>Feed troughs; Feed pails</td>
<td>A01K 5/01</td>
</tr>
<tr>
<td>For the distribution of liquid fodder</td>
<td>A01K 5/0216</td>
</tr>
<tr>
<td>Actuated by the animal</td>
<td>A01K 7/06</td>
</tr>
</tbody>
</table>
**A01K 9/005**

{Teats or nipples (teats for feeding bottles for humans A61J 11/00)}

**Definition statement**

*This place covers:*

Teats and nipples for animal feeding devices, mostly for liquid food, e.g. milk.

Teats may include a sensor for determining values, e.g. resistivity, temperature, etc.

Details therefor, e.g. valve assembly to control fluid movement, etc.

---

**References**

*Limiting references*

*This place does not cover:*

<table>
<thead>
<tr>
<th>Teats for feeding bottles for humans</th>
<th>A61J 11/00</th>
</tr>
</thead>
</table>

---

**A01K 11/00**

Marking of animals (marking poultry or other birds A01K 35/00)

**Definition statement**

*This place covers:*

Identification marks, e.g. tags, buttons, rings, collars, for animals other than birds or fish.

- may be attachable to neck, tail, leg, etc. of the animal, or sticking labels.
- may contain pesticides, ID-transmitters, electronic memory element etc.

Tools for applying marks, dyeing devices for marking animals.

ID-codes suitable for marks.
Biologically marking methods and apparatus, e.g. applying antigen.

### References

#### Limiting references

_This place does not cover:_

| Marking poultry or other birds | A01K 35/00 |

#### Application-oriented references

_Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:_

| Marking of fish | A01K 61/90 |

#### Informative references

_Attention is drawn to the following places, which may be of interest for search:_

| Nose-rings; Fastening tools therefor... | A01K 15/003 |
| Sorting, grading, counting or marking live aquatic animals | A01K 61/90 |
| lead-sealing pliers | B25B |
| Sealing pliers... | B25B 7/20 |
| Tag application... | B65C 7/00 |
| Tags, labels... | G09F 3/00 |

### A01K 11/001

#### {Ear-tags}

#### Definition statement

_This place covers:_

Ear-tags for marking animals, mostly cattle.

Details therefor, e.g. locking system, security features, etc.

Ear-tags may include transponder housing, insecticide dispenser, identification system, etc.
Devices for applying ear-tags.

**A01K 11/002**  
{Pliers specially adapted for fixing ear-tags to ears}

**Definition statement**

*This place covers:*

Ear-tag applicators, mostly for cattle.
- may include movable applicator member.
- may be power driven.

Tag punch system for punching symbols into tags.

Details therefor, e.g. security features, locking members, etc.

**A01K 11/005**  
{Branding or tattooing devices for animals}

**Definition statement**

*This place covers:*

Tattooing devices; small-holes punching devices.
- details therefor, e.g. needles, tattooing paste, etc.
Branding devices, e.g. branding iron.
Marking by means of freezing.
Marking by means of stamping or dying.
Marking devices for detection of mating, e.g. oestrus detector device, etc.
Marking fluids.
Marking carcasses in the above ways.
Marking may be automatic, by explosives (e.g. tattoo-gun), by hand, etc.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Marking poultry or other birds</th>
<th>A01K 35/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marking carcasses for splitting</td>
<td>A22B 5/20</td>
</tr>
<tr>
<td>Marking meat</td>
<td>A22C 17/10</td>
</tr>
<tr>
<td>Tattooing in general</td>
<td>A61M 37/0076</td>
</tr>
</tbody>
</table>

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)}

Definition statement

This place covers:
Devices for electronic livestock data collection, e.g. transponder systems.
Automatic coding and/or decoding of identity information, also registration of additional information, e.g. on milk yield, weight, etc.

Transmission of such information, e.g. by microwaves, radio frequency, etc.

Processing of such information, e.g. the display.

System may include automatic feeding.

Manual intervention may be involved, e.g. for actuating checking device.

Methods for locating animals.

References

**Limiting references**

This place does not cover:

| Identification systems for access to feeding pens | A01K 1/0209 |
| Ear tags with electronic identification means | A01K 11/004 |

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| With mechanisms for delivery of measured doses | A01K 5/0275 |
| Other apparatus for animal husbandry | A01K 29/00 |
| Implantable transmitters | A61B 5/076 |
| Identification | A61B 5/117 |
| Sorting | B07C 5/36, G01S 13/00 |
| Radar | G01S 15/00 |
| Access control involving ID tag | G07C 9/00007 |
A01K 11/007

{Boluses}

Definition statement

This place covers:

Devices, mostly placed or inserted in the stomach of a ruminant animal, for determining the physical state of an animal, and/or identifying an animal.

Monitoring/identification system therefor.

A01K 13/00

Devices for grooming or caring of animals, e.g. curry-combs; Fetlock rings; Tail-holders (as part of the harness B68B 5/04); Devices for preventing crib-biting; Washing devices; Protection against weather conditions or insects

Definition statement

This place covers:

Applying substances onto and/or into animal's bodies, not covered by other groups, nor restricted to veterinary art.

Improving the comfort of an animal, by means of cooling, heating, watering devices, blowing air, etc.

Grooming stands.

Devices for preventing unhealthy behaviour of animals, e.g. anti-crib-biting devices.
Improving atmosphere by, e.g. electrical field.

References

Limiting references

This place does not cover:

| Tail-holders as part of the harness | B68B 5/04 |

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

| Milking machine accessories for treatment of udders or teats | A01J 7/04 |
| Washing devices or gaseous curative baths specially adapted to veterinary purposes | A61D 11/00 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Stable partitions | A01K 1/0005 |
| Air-conditioning | A01K 1/0047 |
| Floor coverings | A01K 1/015 |
| Feeding pens for pigs or cattle | A01K 1/0209 |
| Tethering-poles or the like | A01K 1/04 |
| Devices for fastening animals | A01K 1/06 |
| Devices for taming animals | A01K 15/00 |
| Training or exercise equipment | A01K 15/02 |
Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Fetlock ring: a ring (typically rubber) placed around the fetlock joint to prevent a horse kicking its own feet when walking, and to encourage a wider gait. Often used for horses with close hind feet.

Definition statement

This place covers:

Devices for cleaning, washing and/or drying animals.

may be automatic.

may be stationary, transportable or portable.

may include brushes.

The cleaning may include disinfecting, deparasitation.

Bathing devices for animals other than birds.

( Sheep-) dipping devices.

Sand-bathing devices, e.g. for chinchillas
References

Limiting references

This place does not cover:

<table>
<thead>
<tr>
<th>REFERENCES</th>
<th>CLASSIFICATION</th>
</tr>
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<tbody>
<tr>
<td>Applying medication upon animals</td>
<td>A61D 7/00</td>
</tr>
<tr>
<td>Medical washing devices</td>
<td>A61D 11/00</td>
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Informative references

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<tbody>
<tr>
<td>Devices for use in keeping domestic animals</td>
<td>A01K 1/035</td>
</tr>
<tr>
<td>Devices for grooming or caring of animals</td>
<td>A01K 13/00</td>
</tr>
<tr>
<td>Curry-combs; Shearing sheep chemically</td>
<td>A01K 13/002</td>
</tr>
<tr>
<td>Training or exercise equipment</td>
<td>A01K 15/02</td>
</tr>
<tr>
<td>Housing birds</td>
<td>A01K 31/00</td>
</tr>
<tr>
<td>Other aviculture appliances</td>
<td>A01K 45/00</td>
</tr>
<tr>
<td>Udder-cleaning with milking machines</td>
<td>A01J 7/00</td>
</tr>
<tr>
<td>Hoof cleaners</td>
<td>A01L 11/00</td>
</tr>
</tbody>
</table>

A01K 13/002

{Curry-combs; Shearing sheep chemically (shearing sheep B26B 19/24)}

Definition statement

This place covers:

Animal grooming devices, e.g. combs, scrapers or brushes.

- may be hand held or automatic.
- may be combined with suction devices or blowers.
- may include dispensing methods, for e.g. medicine, pesticides, etc.

Application may be for parts of the body other than the skin or fur, e.g. toothbrushes.
Chemical sheep shearing, e.g. by applying coatings.

References

Limiting references

This place does not cover:

| Shearing sheep | B26B 19/24 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Washing, cleaning, or drying devices | A01K 13/001 |
| Devices for applying insecticides or medication | A01K 13/003 |
| Scraping carcasses; coating carcasses | A22B 5/08 |

A01K 13/003

{Devices for applying insecticides or medication (A01K 27/007 takes precedence; for veterinary purposes A61D 7/00)}

Definition statement

This place covers:
Devices for applying insecticides, disinfectant or medication to animal skin. (outside or in chambers)

• mostly by means of spraying, but also dipping or brushing.
• may be combined with feeding device.

Dispensing material may be powder or fluid.
Animal collar or pendant with pesticide.

Dust bags, e.g. for dogs.

Animal oilers without scratching action.

Fly traps.

References

Limiting references

This place does not cover:

| Collars with insecticides                        | A01K 27/007 |
| Applying medication upon animals                | A61D 7/00   |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Marking of animals                             | A01K 11/00 |
| Washing, cleaning, or drying devices           | A01K 13/001|
| Curry-combs; Shearing sheep chemically         | A01K 13/002|
| Rubbing-posts                                  | A01K 13/004|
| Training or exercise equipment                 | A01K 15/02 |
| Leads or collars                               | A01K 27/00 |
| Insecticides                                   | A01N 25/00 |
A01K 13/004

{Rubbing-posts}

**Definition statement**

*This place covers:*

Devices enabling animals to rub and scratch themselves.

May be automatic (motor action), computer regulated.

may be actuated by animal.

Dispensers for fluid or powder may be incorporated, but scratching is essential.

Doors with brushes incorporated, e.g. for cats.

<table>
<thead>
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<th>References</th>
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<tr>
<td>Housing for domestic or laboratory animals</td>
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<tr>
<td>Curry-combs; Shearing sheep chemically</td>
<td>A01K 13/002</td>
</tr>
<tr>
<td>Devices for applying insecticides or medication</td>
<td>A01K 13/003</td>
</tr>
<tr>
<td>Scratching devices</td>
<td>A01K 15/024</td>
</tr>
</tbody>
</table>
**A01K 13/005**

{Tail-holders}

**Definition statement**

This place covers:

Tail holders, mostly for cows or horses.
- may be attachable to animal or wall of stable.
- may be disposable.

Tail lengthener for horses.

Anti-kick apparatus for cows.

---

**A01K 13/006**

{Protective coverings (Elastic soles or covers for hoofs A01L 5/00, A01L 7/02; for veterinary purposes A61D)}

**Definition statement**

This place covers:

Protective garment or blankets for animals, e.g. support garment.
- may be heat retaining, heat-reflecting, bullet-proof, etc.
- may leave parts of the body open for treatment.
- may be sprayed-on films, e.g. naked sheep.

Devices for movement restriction.

Protective footwear and leg protectors for animals.

Udder and teat protectors.

Animal tail control/ protection devices.
Protective devices for scaring insects, e.g. fringes, face mask, etc.
Collars for preventing animals from licking/biting e.g. their wounds.
Devices for protecting limbs or other parts from knocking against each other.
Artificial horns, horn protectors.

References

Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Elastic soles or covers for hoofs</th>
<th>A01L 5/00, A01L 7/02</th>
</tr>
</thead>
<tbody>
<tr>
<td>For veterinary purposes</td>
<td>A61D</td>
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</table>

Informative references
Attention is drawn to the following places, which may be of interest for search:

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</thead>
<tbody>
<tr>
<td>Washing, cleaning, or drying devices</td>
<td>A01K 13/001</td>
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<tr>
<td>Curry-combs; Shearing sheep chemically</td>
<td>A01K 13/002</td>
</tr>
<tr>
<td>Devices for impeding movement, passage through fencing</td>
<td>A01K 15/04</td>
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<tr>
<td>Devices for assisting or preventing mating</td>
<td>A01K 21/00</td>
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<tr>
<td>Constraining birds</td>
<td>A01K 37/00</td>
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<tr>
<td>Other aviculture appliances</td>
<td>A01K 45/00</td>
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<tr>
<td>Coating for dehairing</td>
<td>A22B 5/08</td>
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<td>Blankets</td>
<td>A47G 9/00</td>
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<tr>
<td>Bottom pads or clothes for saddles</td>
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</tr>
<tr>
<td>Protective covers</td>
<td>B68C 5/00</td>
</tr>
</tbody>
</table>
**A01K 13/007**

{Leg, hoof or foot protectors}

**Definition statement**

*This place covers:*

Foot protection systems for animals.

Hoof shoe, may be permanently or temporarily attachable.
  - may be elevated, elastic, etc.

Knee protection systems, e.g. knee caps.

Ankle protection systems.

Claw protection cover for cats.

Devices may include protection against insects.

Sheets for cooling the legs.

Boots for dogs and cats.

---

**A01K 13/008**

{Horse blankets}

**Definition statement**

*This place covers:*

Blankets, mostly for horses.
  - may be heat-reflective, waterproof, breathable, heat retaining, windproof, etc.

Details therefor, e.g. fastening means, etc.
Therapeutic blankets, e.g. magnetic blanket.

Blankets may contain an anti-rubbing devices.

Blankets may have anti-insect cover.

**A01K 14/00**

Removing the fleece from live sheep or similar animals (hand-held clippers or shavers with a plurality of cutting edges, specially adapted for shearing animals, e.g. sheep, B26B 19/24)

**Definition statement**

*This place covers:*

Removing the fleece from live sheep or similar animals, by means of a net, e.g. a fleece retention coat.

Sheep-shearing apparatus.

Wool harvesting systems.

Systems for processing waste products of wool harvesting.
References

Limiting references

This place does not cover:

hand-held clippers or shavers with a plurality of cutting edges, specially adapted for shearing animals, e.g. sheep

B26B 19/24

A01K 15/00

Devices for taming animals, e.g. nose-rings or hobbles; Devices for overturning animals in general; Training or exercising equipment; Covering boxes

Definition statement

This place covers:

Devices for handling/restraining animals.
- may be movable, portable, rotatable, etc.

Animal catching devices.
Animal carrying devices.
Restraining devices for research table.
Devices may include lifting mechanism.
Sheep rollover devices.
Neck/Head holding devices.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Animal holding devices

A01K 1/0613

Appliances for supporting or fettering animals for operative purposes

A61D 3/00
Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:
Hobble: A device restricting an animal's leg movement to impede its ability to stray or run.

A01K 15/003

{Nose-rings; Fastening tools therefor; Catching or driving equipment}

Definition statement

This place covers:
Nose-rings, may include e.g. anti-bite devices, fastenings, etc.
Devices for applying a nose-ring.
Devices for catching or holding any animals, may be hand-held.
Devices for controlling animals by mainly squeezing a part of the body, mainly the nose, e.g. animal twitch.
(Cattle) pods, non-electrical.
Lassos. Holders and containers therefor, etc.
Bull halters.
Devices may be vehicle-mounted, or combined with trolleys.
NB. Not included are: (movable) confinement devices

---

FIG. 1

FIG. 2
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Topics</th>
<th>CPC Classifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable partitions</td>
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</tr>
<tr>
<td>Devices for immobilisation of animals</td>
<td>A01K 1/0613</td>
</tr>
<tr>
<td>Pasturing equipment</td>
<td>A01K 3/00</td>
</tr>
<tr>
<td>Marking of animals</td>
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</tr>
<tr>
<td>Devices for impeding passage of animals under fences</td>
<td>A01K 15/006</td>
</tr>
<tr>
<td>Devices for impeding movement</td>
<td>A01K 15/04</td>
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<td>Gaffs</td>
<td>A01K 97/14</td>
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<tr>
<td>Traps</td>
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<tr>
<td>Driving devices in slaughterhouses</td>
<td>A22B 7/00</td>
</tr>
<tr>
<td>Noose equipment. Boathooks and the like</td>
<td>B63B 21/54</td>
</tr>
</tbody>
</table>

A01K 15/006

{Devices for impeding passage of animals under fences, preventing butting or the like}

Definition statement

This place covers:

Devices for restraining animals from attacking.

Movement control devices for animals, e.g. restraining devices for neck and head, etc.

Animal pokes.

Animal yokes.

Collars for animals, for restraining their movement, e.g. against biting, licking their own skin, etc.
A01K 15/02

Training or exercising equipment, e.g. mazes or labyrinths for animals (A01K 15/04 takes precedence); Electric shock devices (circuits therefor H03K 3/537); Toys, e.g. for pets

Definition statement

This place covers:

Devices for training and/or exercising animals, e.g. a leash, collar, etc.

Devices for entertaining animals, e.g. toys, may be eatable.

Details therefor, e.g. sensors.

Training devices for cowboys, e.g. mechanical calves.

Anti-butting devices, animal repellent devices, cow trainers, chemical agents, treadmills, electric prods, radio/satellite control, etc.

Devices for protecting birds against other animals, e.g. cats, squirrels.

References

Limiting references

This place does not cover:

| Devices for impeding movement | A01K 15/04 |
| Circuits for electric shock devices | H03K 3/537 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Stable partitions | A01K 1/0005 |
| Cat trays: Dog urinals | A01K 1/0107 |
| Devices for use in keeping domestic animals | A01K 1/035 |
| Grids for preventing cattle from straying | A01K 3/002 |
| Electrified wire fencing | A01K 3/005 |
### A01K 15/021

**{Electronic training devices specially adapted for dogs or cats}**

**Definition statement**

*This place covers:*

Training apparatus, by means of electronic devices specially adapted for dogs or cats, e.g. a collar.

- may operate by means of electric shocks, vibrations, sound, etc.
- may include pet identification system, e.g. Global Positioning System.

Details therefor, e.g. remote control, etc.

Devices for controlling animal behaviour.

![Diagram of electronic training device]

<table>
<thead>
<tr>
<th>With timing mechanism</th>
<th>A01K 5/0291</th>
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<tbody>
<tr>
<td>Automatic identification systems for animals</td>
<td>A01K 11/006</td>
</tr>
<tr>
<td>Devices for grooming or caring of animals</td>
<td>A01K 13/00</td>
</tr>
<tr>
<td>Washing, cleaning or drying devices</td>
<td>A01K 13/001</td>
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<tr>
<td>Nose-rings; Fastening tools therefor</td>
<td>A01K 15/003</td>
</tr>
<tr>
<td>Scratching devices for cats</td>
<td>A01K 15/024</td>
</tr>
<tr>
<td>Leads or collars</td>
<td>A01K 27/00</td>
</tr>
<tr>
<td>Other apparatus for animal husbandry</td>
<td>A01K 29/00</td>
</tr>
<tr>
<td>Other aviculture appliances</td>
<td>A01K 45/00</td>
</tr>
<tr>
<td>Methods or means of catching fish in bulk not provided</td>
<td>A01K 79/00</td>
</tr>
<tr>
<td>Scaring animals</td>
<td>A01M 29/00</td>
</tr>
<tr>
<td>Slaughterhouse drive corridors</td>
<td>A22B 7/00</td>
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<tr>
<td>Water therapy</td>
<td>A61D 11/00</td>
</tr>
<tr>
<td>Treadmills</td>
<td>A61H 9/00</td>
</tr>
<tr>
<td>Racing equipment</td>
<td>A63K 1/00</td>
</tr>
<tr>
<td>Electric weapon sticks</td>
<td>F41B 15/04</td>
</tr>
</tbody>
</table>
A01K 15/022
{Anti-barking devices}

Definition statement

This place covers:
Anti-bark devices.

By means of collars including shock, cold fluid, high frequency devices, etc.

Details therefor, e.g. vibration sensor, etc.

A01K 15/023
{Anti-evasion devices}

Definition statement

This place covers:
Satellite animal confinement systems, e.g. global positioning. Electronic animal confinement systems, ultrasonic animal deterrent system, echo-ranging electronic boundary system, etc.

Animal repelling devices.

Devices may include bark-inhibitor.

Details therefor, collars in combination with an anti-evasion device.
A01K 15/024

{Scratching devices, e.g. for cats}

Definition statement

This place covers:
Scratching devices, e.g. for cats.
• may be attachable to wall, door, furniture, etc.
• may include cat housing, feeding device, toys, perch, etc.

Climbing posts including scratching devices.

Litter boxes with abrasive surface.

A01K 15/025

{Toys, e.g. for chewing}

Definition statement

This place covers:
Toys for pets, may be edible.
Toys may be attachable to wall.
Toys may be scented, spinning, reelable, etc.
Toys may include food dispensing system, sound device, (moving) light beam, etc.
Crawling tube for small pets.
Toys may include exercise device.

A01K 15/027

{Exercising equipment, e.g. tread mills, carousels (equipment for racing or riding sports events A63K)}

Definition statement

This place covers:

Animal training devices (mostly for horses), by means of endless belts, treadmills, etc.
  • may include monitoring systems.

Details therefor, e.g. detachable harness assembly, etc.

Running wheel for small animals.

Devices may be attachable to vehicle, transportable, etc.

Dog jumping devices.
Swimming pools for training animals.

References

Limiting references

This place does not cover:

| Equipment for racing or riding sport events | A63K |

A01K 15/028

{Cow trainers}

Definition statement

This place covers:

Cow training devices for in stables. Mostly cow positioning devices, e.g. training cattle to step back when defecating, etc.

• by means of electric cow trainer, barrier, pressure, etc.
A01K 15/029
{Electric or similar shock devices, e.g. prods (circuits therefor H03K 3/537)}

References

Limiting references

This place does not cover:

| Circuits for electric shock devices | 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)}

Definition statement

This place covers:

Anti-kicking devices for cows.

Restraining devices, e.g. grooming restraining device for dogs, etc.

Animal harnesses.

(Dog) leash attachments, e.g. to vehicle.

Passage trough fencing, e.g. one way animal gate, fence security system, etc.

Cuffs for restraining animals, e.g. leg cuffs.

Head restraining devices.

References

Limiting references

This place does not cover:

| Devices for impeding passage under fences | A01K 15/006 |
A01K 17/00
Dehorners; Horn trainers

Definition statement

This place covers:

Dehorning or preventing horns from growing. Treatment may be chemical or thermal.

- by means of electric dehorning.
- by means of a heating device, e.g. gas-fired heating device.
- by means of freeze-branding.
- by means of cutting, e.g. for slaughtered animals.

Changing shape of horns, e.g. by weights.

Details therefor, e.g. stencils or holders.

Cutting claws, e.g. for birds.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Operation</th>
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<tr>
<td>Trimming hoofs</td>
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<td>Cutting bones</td>
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<tr>
<td>Bone-shears; Bone-crushers</td>
<td>A22C 17/06</td>
</tr>
<tr>
<td>Debeaking etc., of birds</td>
<td>A61D 1/005</td>
</tr>
<tr>
<td>Cropping tails or ears</td>
<td>A61D 1/04</td>
</tr>
</tbody>
</table>
Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Horn trainer: a device fitted to an animal's horns to influence how they grow.

A01K 19/00

Weaning apparatus

Definition statement

This place covers:

Anti-sucking devices for cattle, may be attached to mother animal or her young, e.g. muzzles, halters, etc.

may operate by means of electric chocks or contains sharp elements.

A01K 21/00

Devices for assisting or preventing mating

Definition statement

This place covers:

Devices for preventing mating, e.g. harness for dogs, bulls, rabbits, etc.

Diapers for female dogs.

Stimulation of ovulation methods and devices.
Means for guiding a boar past sows, e.g. boar cart.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Category</th>
<th>Code</th>
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<td>Automatic devices</td>
<td>A01K 7/02</td>
</tr>
<tr>
<td>Protective coverings</td>
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<tr>
<td>Devices for taming animals;Covering boxes</td>
<td>A01K 15/00</td>
</tr>
<tr>
<td>Manure or urine pouches</td>
<td>A01K 23/00</td>
</tr>
<tr>
<td>Other apparatus for animal husbandry</td>
<td>A01K 29/00</td>
</tr>
</tbody>
</table>

A01K 23/00

Manure or urine pouches {(picking up dog excrement from the ground E01H 1/1206)}

Definition statement

This place covers:

Devices for receiving excrements from animals, either fastened on the animal, or situated immediately close to it.

Harnesses for attaching waste collecting containers, bags, sacks, etc. to animal.

Anti-splash shields for dogs.

Details therefor, e.g. bags, sacks, holders, etc.

Harness may also serve for protection against mating, etc.

Devices for taking samples of excrements of animals.
Diapers for animals.

References

Limiting references

This place does not cover:

| Picking up dog excrement from the ground | E01H 1/1206 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Cat trays; Dog urinals; Toilets for pets | A01K 1/0107 |
| Protective coverings                   | A01K 13/006 |
| Devices for assisting or preventing mating | A01K 21/00 |

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}

Definition statement

This place covers:

Manure collecting devices used independently from the animal, e.g. waste scooper devices.

Pet excrement scoop, may be in combination with a (plastic) bag.

- may comprise an elongated handle.
- pick-up waste bag, used without any tools.
Leash mounted storage device.

A01K 25/00

Muzzles

Definition statement

This place covers:

Devices for encapsulating an animals head, mostly for dogs.
  • may include a control and leash combination for e.g. training, guiding, restraining a dog.
  • may be remotely releasable.
Grazing regulators for cows.

A01K 27/00
Leads or collars, e.g. for dogs

**Definition statement**

*This place covers:*

Collars mostly for dogs, or for similar animals.
- may contain anti-parasite material.
- may be in combination with leads or harnesses ([A01K 15/04](#)).

Multiple animal leashes.

Details therefor, e.g. closure members, dampers, safety connections, etc.

Lead-storing or -dispensing means, e.g. adjustable length leash.

Devices may be attachable to vehicles, walls, etc.
Devices may be intended for children.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Description</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tethering-poles or the like</td>
<td>A01K 1/04</td>
</tr>
<tr>
<td>Devices for fastening animals, e.g. halters</td>
<td>A01K 1/06</td>
</tr>
<tr>
<td>Chain fastenings</td>
<td>A01K 1/064</td>
</tr>
<tr>
<td>Marking of animals</td>
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</tr>
<tr>
<td>Devices for applying insecticides or medication</td>
<td>A01K 13/003</td>
</tr>
<tr>
<td>Tail holders</td>
<td>A01K 13/005</td>
</tr>
<tr>
<td>Nose-rings; Fastening tools therefor</td>
<td>A01K 15/003</td>
</tr>
<tr>
<td>Training or exercise equipment</td>
<td>A01K 15/02</td>
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<tr>
<td>Devices for impeding movement</td>
<td>A01K 15/04</td>
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<tr>
<td>Muzzles</td>
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<tr>
<td>Pest-repellants</td>
<td>A01N 25/00</td>
</tr>
<tr>
<td>Safety belts for dogs in cars</td>
<td>B60R 22/10</td>
</tr>
<tr>
<td>Devices specially adapted or mounted for storing and repeatedly paying-out and re-storing lengths of material</td>
<td>B65H 75/34</td>
</tr>
<tr>
<td>Harnesses</td>
<td>B68B 1/00</td>
</tr>
</tbody>
</table>
**A01K 27/003**

{Leads, leashes}

**Definition statement**

*This place covers:*

Devices for retractable leashes.
- may include waste disposal bag dispenser.

Details therefor, e.g. locking/brake mechanism, retractor, etc.

Compact dog leash, may be attached to collar of dog or concealed in hollow walking stick.

---

**A01K 27/005**

{Quick-couplings, safety-couplings or shock-absorbing devices between leash and collar}

**Definition statement**

*This place covers:*

Shock absorbing devices, by means of e.g. stretching leash, extensible mechanism, elastic section, etc.

Break away assembly.

Quick release leash, one hand operated dog leash.
- locking systems.
Shock absorbing lead grip.

**A01K 27/006**

{with light-emitting or ornamental devices}

**Definition statement**

*This place covers:*

Dog leashes or collars with light-emitting, or other ornamental devices.
- may include e.g. a container, identification device, bag dispenser mechanism, decorations, flashlight, etc.

Leash and collar may be illuminating, water-resistant, etc.

Collar may contain flea-repelling material or insecticide, etc.
**A01K 27/007**

{with insecticide-dispensing means}

**Definition statement**

>This place covers:<br>
Collars (or ear-tags) which protect against fleas, ticks, lice and other insects/parasites.<br>• may be naturally (herbs), chemically or by entrapment.<br>

Flea-repelling pet accessory, e.g. a pet toy.<br>

(Disposable) pendants, may be deodorizing, insect-repelling, etc.<br>

Drug or insect-repelling dispensing devices, may be attachable to collar.

**A01K 27/009**

{with electric-shock, sound, magnetic- or radio-waves emitting devices}

**Definition statement**

>This place covers:<br>
Devices for controlling animal behaviour with electric-shock collars.<br>

Collars may include therapeutic devices, by means of magnets.<br>

Devices may work with remote control.
Collars may include identification device, pet locator, etc.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Electronic training and confining equipment | A01K 15/021 |

### A01K 29/00

**Other apparatus for animal husbandry {(detecting birth of animals A61D 17/00)}**

**Definition statement**

*This place covers:*

- Detecting heat, mating, pregnancy, birth, or other particular conditions of animals.
- Administration or planning, for breeding activities.
- Physical preparation for breeding, e.g. irradiation of sperm or eggs.
- Transporting or loading animals, e.g. a ramp, other than for birds and fish and not covered elsewhere.
- Administration or management of herds in general.
- Measuring physical properties of animals, e.g. performance testing.
- Snake venom milking.
- Sorting of animals, e.g. by size, weight (not covered elsewhere).
- Influencing biological activity, (not covered elsewhere).
- Monitoring or measuring activity of animals. (including fish)
- Procedures or recipes for feeding animals, e.g. for rapid growth.
- Weighing animals.
- Detecting mating by marking devices actuated by animals.
- Anti-theft devices.
Animal-rescue devices for swimming pools.

References

Limiting references

This place does not cover:

Detecting birth of animals

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Devices for use in keeping domestic animals</th>
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<tr>
<td>Devices for immobilisation or restraint of animals</td>
<td>A01K 1/0613</td>
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<tr>
<td>With mechanisms for delivery of measured doses</td>
<td>A01K 5/0275</td>
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<tr>
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<tr>
<td>Automatic identification systems for animals</td>
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<tr>
<td>Other aviculture appliances</td>
<td>A01K 45/00</td>
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<tr>
<td>Culture of aquatic animals</td>
<td>A01K 61/00</td>
</tr>
<tr>
<td>Receptacles for live fish</td>
<td>A01K 63/00</td>
</tr>
<tr>
<td>Breeding vertebrates</td>
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<tr>
<td>Obstetrical devices</td>
<td>A61D 1/08</td>
</tr>
<tr>
<td>Animal transport vehicles</td>
<td>B60P 3/04</td>
</tr>
</tbody>
</table>

A01K 29/005

(Monitoring or measuring activity, e.g. detecting heat or mating)

Definition statement

This place covers:

Livestock data collection/receiving systems.

Devices for monitoring behaviour of animals.

Devices for monitoring feeding behaviour of animals.

Devices for monitoring movement/activity of animals.
A01K 29/005 (continued)

Devices for monitoring animal health, e.g. temperature, weight, etc.

Sensors for detecting movement.

Identification method and apparatus.

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A01K 31/00

Housing birds

Definition statement

This place covers:

Installations or devices for housing birds, not covered elsewhere, or not specified.

Poultry houses for battery or free-floor rearing, not specified.

Bird-washing (disinfecting) devices.

General aspect of mass-rearing of poultry. (housing aspect)

Buildings may include heating, cooling and ventilating means.
Curtain control devices for poultry houses.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Housing animals; Equipment therefor</th>
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<td>A01K 1/0047</td>
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<tr>
<td>Dropping-boards; Devices for removing excrement</td>
<td>A01K 31/04</td>
</tr>
<tr>
<td>Perches</td>
<td>A01K 31/12</td>
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<tr>
<td>Chicken coops or houses</td>
<td>A01K 31/18</td>
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<tr>
<td>Poultry runs</td>
<td>A01K 31/22</td>
</tr>
<tr>
<td>Buildings for agricultural purposes</td>
<td>E04H 5/08</td>
</tr>
</tbody>
</table>

**A01K 31/002**

{Poultry cages, e.g. transport boxes (poultry transport A01K 45/005)}

**Definition statement**

*This place covers:*

Cages or boxes for transporting birds or other small animals.

may be collapsible, foldable, portable, mountable on vehicle, etc.

may include feeding and/or drinking devices.

may be adapted for shipping, shipping containers.

Cages may be arranged in stacks or rigs (shelf like containers).

Other poultry cages, not included for battery utilisation.
Means and devices for (un-) loading poultry.

References

Limiting references

This place does not cover:

| Poultry transport | A01K 45/005 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Battery breeding cages, with or without auxiliary... | A01K 31/005 |
| Transportable cages | A01K 31/07 |
| Collapsible cages | A01K 31/08 |
| Other aviculture appliances | A01K 45/00 |
| Containers for animals | B65D 85/50 |

A01K 31/005

{Battery breeding cages, with or without auxiliary features, e.g. feeding, watering, demanuring, heating, ventilation}

Definition statement

This place covers:

Battery cage systems for breeding poultry, e.g. broilers.
  • may be transportable, e.g. to slaughterhouse.

Details of such system, e.g. feeding/drinking devices, ventilation, egg collecting means, etc.

Battery cages may be suitable for breeding, rearing and fattening, e.g. growing aspect.
Building structure may be included.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Pigsties; Dog-kennels; Rabbit-hutches or the like | A01K 1/02 |
| Housings for domestic or laboratory animals | A01K 1/03 |
| Poultry-cages | A01K 31/005 |
| Floors | A01K 31/007 |
| Dropping-boards; Devices for removing excrement | A01K 31/04 |
| Laying-nests for poultry | A01K 31/16 |
| Chicken coops or houses | A01K 31/18 |
| Feeding devices | A01K 39/01 |

A01K 31/007

{Floors (for stables A01K 1/015)}

Definition statement

This place covers:

Flooring systems for use in raising poultry, e.g. battery cages, transport cages, etc.

• may include methods for processing manure.

Poultry nests may be included.

Systems for preventing breast blisters, swollen hocks, etc.
Floors specially adapted for egg laying poultry.

References

Limiting references

This place does not cover:

| Floor for stables | A01K 1/015 |

**A01K 31/02**

Door appliances; Automatic door-openers

Definition statement

This place covers:

Door appliances for poultry housings, e.g. return-gate, latch, etc.

may be time-controlled, automatic, etc.

Locking means for poultry cages.

Trap doors, may be automatically closing.

Means for preventing entrance of e.g. a fox.
**A01K 31/04**

**Dropping-boards; Devices for removing excrement**

**Definition statement**

*This place covers:*

Devices for removing excrements from poultry housings, (e.g. batteries, single cages).

- may be collecting, drying, or otherwise treating excrements from cage or poultry house.
- may include conveyor belts, scrapers, blowers for drying air, water flushers, heating means, liquid sprayers, etc.

Bedding material, collecting and dispensing means therefor, recycling methods.

Drying blowers may be in combination with ventilation means or heating.

Vehicles for manure treatment, cleaning apparatus.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Removal of dung or urine                      | A01K 1/01 |
| Cat trays; Dog urinals; Toilets for pets       | A01K 1/0107 |
| Litter                                         | A01K 1/0152 |
| Devices for use in keeping domestic animals    | A01K 1/035 |
| Housing birds                                  | A01K 31/00 |
| Poultry-cages                                  | A01K 31/005 |
| Floors                                         | A01K 31/007 |
| Cages                                          | A01K 31/06 |
| Laying batteries                               | A01K 31/17 |
| Poultry runs                                   | A01K 31/22 |
| Treating excrements                            | E01H 1/006 |

A01K 31/06

Cages {, e.g. for singing birds (for poultry A01K 31/002)}

Definition statement

This place covers:

Cages for domestic birds, indoor or outdoor, e.g. volières, etc.
- may be transportable, foldable, etc.
- may include birdbaths, feeders, waste trays, etc.

Cages may be suitable for assembling into batteries.

Heaters for cages.

Covers and supporting means therefor.

Accessories for cages, e.g. toys, nest holders, vermin traps, etc.
Hangers or stands for cages.

References

Limiting references

This place does not cover:

| Cages for poultry          | A01K 31/002 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Housings for domestic or laboratory animals | A01K 1/03 |
| Feeding or drinking devices associated with cages | A01K 1/0356 |
| Battery breeding cages | A01K 31/005 |
| Floors | A01K 31/007 |
| Door appliances; Automatic door-openers | A01K 31/02 |
| Dropping-boards; Devices for removing excrement | A01K 31/04 |
| Collapsible cages | A01K 31/08 |
| Doors; Trap-doors | A01K 31/10 |
| Perches | A01K 31/12 |
| Laying batteries | A01K 31/17 |
| For solid feed | A01K 39/0106 |
| Other aviculture appliances | A01K 45/00 |
A01K 31/07

Transportable cages (A01K 31/08 takes precedence){; Travelling cages for pigeons; Opening or closing of cages}

Definition statement

This place covers:
Transportable cages, may be single cages, containers, crates, etc.
• may be portable, disposable, etc.
• may be mountable on vehicle, e.g. car, ship, etc.
• may include drinking/feeding devices.

Containers may be subdivided in compartments.
Details therefor, e.g. doors, locks, wheels, etc.

References

Limiting references

This place does not cover:

| Collapsible cages | A01K 31/08 |

A01K 31/08

Collapsible cages

Definition statement

This place covers:
(Bird-) cages in which the collapsible aspect is dominating or characteristic.
• may be used for pet birds, transporting pigeons, exhibiting birds, breeding, etc.

Cages may be prefabricated, disposable, connectable to each other, etc.
• features may enable them to be shipped, or stored under restricted space conditions (even only once, before assembly).

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Housings for domestic or laboratory animals | A01K 1/03 |
| Cages | A01K 31/06 |
| Nest-boxes | A01K 31/14 |

A01K 31/10

Doors; Trap-doors {(for laying-nests A01K 31/16)}

Definition statement

This place covers:
Doors for (bird-) cages, battery cages, nests, etc.
Trap-doors for bird-houses.
Means of locking doors, traps, a locking assembly.
Doors may be automatic.
References

Limiting references

This place does not cover:

| Doors for laying-nets | A01K 31/16 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Door appliances | A01K 31/02 |

A01K 31/12

Perches {for poultry or birds, e.g. roosts}

Definition statement

This place covers:

Perches or roosts (perch arrays) for poultry or other birds.
  • may be movable, foldable, heated, lighted, etc.
  • may enable trimming a birds nails.

Fastening means for perches to cage, feeding device, etc. (e.g. clamping mechanism).

Disinfecting perch constructions.

Cleaners for perches.

Ant-vermin perches.

Shoulder-mountable perches.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Category</th>
<th>CPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feeding or drinking devices associated with cages</td>
<td>A01K 1/0356</td>
</tr>
<tr>
<td>Training or exercise equipment</td>
<td>A01K 15/02</td>
</tr>
<tr>
<td>Floors</td>
<td>A01K 31/007</td>
</tr>
<tr>
<td>Cages</td>
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</tr>
<tr>
<td>Poultry runs</td>
<td>A01K 31/22</td>
</tr>
<tr>
<td>Filling automatically</td>
<td>A01K 39/012</td>
</tr>
<tr>
<td>Feed troughs</td>
<td>A01K 39/014</td>
</tr>
</tbody>
</table>

A01K 31/14

Nest-boxes {, e.g. for singing birds or the like}

Definition statement

This place covers:
Nest-boxes, nesting structures for different kind of birds, e.g. earth burrowing birds.
  • may include feeding- and drinking devices.
  • may include viewing possibilities, e.g. viewing window.

Size of the nests may be adaptable. Nests may be collapsible.

Bird nest protection systems.

Birdhouse kit construction.
Multiple nesting structures, e.g. for cliff swallows.

A01K 31/16
Laying-nests for poultry; Egg collecting {(nest floors A01K 31/007)}

Definition statement

This place covers:
Laying nests, single or in batteries, for hen houses or cages.
Egg-collecting and -counting means connected therewith.
Nest bowls for poultry.
Details therefor, e.g. trapdoors, if integral part of specific structure.
Nests may be intended for other birds than poultry.
Nests may have manual or mechanical egg-collecting features, e.g. conveyors.
Cleaning devices for e.g. nest pad, etc.
Registration devices, e.g. registering the number of eggs laid by a hen.

References

Limiting references

This place does not cover:

| Nest floors | A01K 31/007 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Poultry-cages</th>
<th>A01K 31/005</th>
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</thead>
<tbody>
<tr>
<td>Egg collecting or counting</td>
<td>A01K 31/165</td>
</tr>
<tr>
<td>Poultry runs</td>
<td>A01K 31/22</td>
</tr>
</tbody>
</table>

A01K 31/165

{Egg collecting or counting}

Definition statement

This place covers:

Devices for collecting eggs, in particular from battery nests or cages.

Devices for counting eggs.

Devices for transporting eggs, e.g. escalators, etc.

above devices may be cooperating.

Details therefor, e.g. conveyor belts, guiding devices, if connected with nest or cage.
Devices may include weighing apparatus, cleaning apparatus, marking device, etc.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Floors</th>
<th>A01K 31/007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laying-nests for poultry</td>
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<tr>
<td>Laying batteries</td>
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<td>Poultry runs</td>
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<tr>
<td>Counting of objects</td>
<td>G06M 7/00</td>
</tr>
<tr>
<td>Counting of separate objects on conveyor</td>
<td>G06M 7/04</td>
</tr>
</tbody>
</table>

A01K 31/17

Laying batteries {including auxiliary features, e.g. feeding, watering, demanuring, heating, ventilation}

Definition statement

This place covers:

Battery structures for housing poultry.
- may include movable cages, easy mountable, dismountable, etc.
- may include ventilating, heating, demanuring means, etc.

Support for cages.
Feeding and drinking devices, egg-receiving devices, may be part of a battery.

**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**))

**Definition statement**

*This place covers:*

Structures for housing chicks (or other young animals).

Characteristic must be the growing of the chicks, e.g. adjustment of structure to growth.

- may include brooder incubators, (NB: for young chicks) but not as the main future.

Poultry rearing device, other than brooders, e.g. mere shelters.

Heating, ventilation and drinking/feeding-device, may be part of whole structure.

**References**

*Limiting references*

*This place does not cover:*

| Battery breeding cages | **A01K 31/005** |
**Informative references**

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Informative references</th>
<th>CPC Code</th>
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<tbody>
<tr>
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<tr>
<td>Housing birds</td>
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<tr>
<td>Brooders</td>
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<tr>
<td>Heating arrangements</td>
<td>A01K 31/20</td>
</tr>
<tr>
<td>Poultry runs</td>
<td>A01K 31/22</td>
</tr>
</tbody>
</table>

**A01K 31/19**

**Brooders {; Foster-mothers; Hovers}**

**Definition statement**

This place covers:

Brooders for raising poultry.
- may be portable.

Heating devices as part of a brooder, e.g. electric heaters, infra-red gas heaters, etc.

Heat lamps, dampers, in combination with brooders.

---

**A01K 31/20**

**Heating arrangements {; Ventilation}**

**Definition statement**

This place covers:

Climate control features applicable to brooder houses or brooders, e.g. heaters, (coolers), ventilation system.

The heating or ventilating aspect must be a characteristic.

Devices may also be meant for conventional battery cages.
Heating may be electric, infra-red gas heater, etc. (e.g. floor-heating).

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Means</th>
<th>CPC</th>
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<tbody>
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<td>Air-conditioning</td>
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<tr>
<td>Pigsties; Dog-kennels; Rabbit-hutches or the like</td>
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<tr>
<td>Housing birds</td>
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<tr>
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<td>Poultry runs</td>
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<tr>
<td>Incubators for poultry</td>
<td>A01K 41/00</td>
</tr>
<tr>
<td>Controlling humidity in incubators</td>
<td>A01K 41/04</td>
</tr>
</tbody>
</table>

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)}

Definition statement

This place covers:

Means for raising poultry free, e.g. without cages inside houses.
- may include methods for controlling environmental condition e.g. ventilation and heating devices.
- may include methods of processing poultry manure.

Free floor raising aspect must be present.

Poultry houses may consist of free areas (runs).
Details therefore, e.g. chicken fences.

Poultry houses may be movable, e.g. wheeled.

References

**Limiting references**

*This place does not cover:*

| Air-conditioning of poultry runs or houses | A01K 1/0047 |

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

| Housing birds                  | A01K 31/00 |
| Floors                        | A01K 31/007 |
| Dropping-boards; Devices for removing excrement | A01K 31/04 |
| Perches                       | A01K 31/12 |
| Chicken coops or houses       | A01K 31/18 |
| Other aviculture appliances   | A01K 45/00 |

**A01K 31/24**

**Dovecots; Pigeon lofts**

**Definition statement**

*This place covers:*

Dovecots, pigeon lofts and trap assemblies for pigeons, e.g. battery pigeon loft, etc.

- may include a waste disposal system, ventilating system, etc.
- may be movable and size/height may be adjustable.
A01K 33/00

Nest-eggs

Definition statement

This place covers:

Nest eggs or hatching simulation device.
- may be vermin-destroying.
**A01K 35/00**

Marking poultry or other birds {(marking meat A22C 17/10)}

**Definition statement**

*This place covers:*

Marking poultry by means of rings, tags, wing bands, clips, etc.

Transponder may be included.

Detection devices therefor.

Devices for placing or removing rings.

Devices may include anti-parasite material.

Storage device for tagging rings.

Branding devices for poultry.

References

**Limiting references**

*This place does not cover:*

| Marking meat | A22C 17/10 |

**A01K 37/00**

Constraining birds, e.g. wing clamps

**Definition statement**

*This place covers:*

Devices for preventing birds from flying, escaping, sitting down, picking or dropping excrements.

- by means of clamps, locking system (beak), harness, boots, etc.
Attachments rings for birds feet.

Anti-picking devices, e.g. blinders, lenses or goggles.

Constraining birds for artificial insemination.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Manure or urine pouches          | A01K 23/00 |
| Marking poultry or other birds  | A01K 35/00 |
| Cramming appliances             | A01K 39/06 |
| Other aviculture appliances     | A01K 45/00 |
| Hanging-up slaughtered birds    | A22B 5/06  |
| Cutting beaks, claws, wings     | A61D 1/005 |
| Constraining for operation      | A61D 3/00  |
| Artificial insemination         | A61D7/02  |

A01K 39/00

Feeding or drinking appliances for poultry or other birds {\(^{(A01K 31/005, A01K 31/06, A01K 31/17 \text{ take precedence})}\)}

Definition statement

This place covers:

Feeding/drinking devices for poultry, may be automatic. (e.g. battery feeding system)

Window mountable bird feeders.

Bird feeding supports.

Feeding devices for wild animals, e.g. hummingbird feeders.

Bird feeder may be disposable.
Bird feeder may recycle bird food.

References

Limiting references

This place does not cover:

<table>
<thead>
<tr>
<th>For battery breeding cages</th>
<th>A01K 31/005</th>
</tr>
</thead>
<tbody>
<tr>
<td>For singing bird cages</td>
<td>A01K 31/06</td>
</tr>
<tr>
<td>For laying batteries</td>
<td>A01K 31/17</td>
</tr>
</tbody>
</table>

A01K 39/01

Feeding devices, {e.g. chainfeeders} (A01K 39/04 takes precedence; (panfeeding systems, feeding pans A01K 39/0125))

Definition statement

This place covers:

Poultry feeders comprising mechanical distributing means from a storage to one or more feeding stations, e.g. a long trough.

Conveying chains/belts therefor, conveying cables.

Hoppers therefor, including vibrators or controls.

Conveyor/trough combinations therefor, e.g. conveyor in trough wall.

Battery feeding systems, without other important battery features.

Devices may include level detectors.

Trough-type feeders with connection means for distributing systems.

Feed-flow regulating means.

Bird-feeding devices for outside, may be insect-proof.
Nectar feeder access devices.

References

Limiting references

This place does not cover:

| Pan feeding systems, feeding pans             | A01K 39/0125 |
| Combined feeding and drinking appliances     | A01K 39/04   |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Filling automatically                        | A01K 39/012 |
| Feed troughs, Feed throwers                  | A01K 39/014 |

A01K 39/0106

{for solid feed, e.g. grit-cake holders (licking-stone holders for stock or game A01K 5/015)}

Definition statement

This place covers:

Bird food holders, mostly for feeding birds outside, e.g. wire mesh tubular feeder.

• may be attachable to wall, tree, etc.

Devices may also be used for feeding other animals, e.g. squirrels.

Bird feeders may be disposable.

Feed blocks.
Hand-held bird feeders.

References

Limiting references

This place does not cover:

Licking-stone holders for stock or game

A01K 39/0113

(with means to prevent other animals or insects, e.g. squirrels or ants, from eating also)

Definition statement

This place covers:

Squirrel proof bird feeding device, by means of e.g. a spinning mechanism triggered by weight, electric shock device, slippery side panels, etc.

Baffles for preventing animals from climbing up a birdhouse.
Rodent repelling by means of e.g. several water filled moats, protective pet dish, etc.

**A01K 39/012**

filling automatically {, e.g. by gravity from a reserve}

**Definition statement**

*This place covers:*

Bird or poultry feeding devices with automatic filling of a feed compartment, e.g. gravity.

- may be actuated by the animal.

Devices include a storage, e.g. incorporated hopper.

Excluded are the possible conveying means from a storage to the feeder(s): See A01K 39/01.

Means for controlling the feeding device, e.g. animal actuated.

Device may be liquid-feeding, e.g. for hummingbirds.

Devices may include prevention means for another animals to feed.

Devices may be combined with shelters.
Devices may include time-control means.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Feeding or drinking devices associated with cages | A01K 1/0356 |
| Feeders for livestock | A01K 5/00 |
| Nest-boxes | A01K 31/14 |
| Feeding devices | A01K 39/01 |
| Feed troughs | A01K 39/014 |
| Feeding devices for fish | A01K 61/80 |

A01K 39/0125

{Panfeeding systems; Feeding pans therefor}

Definition statement

*This place covers:*

Pan feeding systems for poultry.

Device may include an adjustable feed level control.

Means of controlling supply of feed to the trough.

Feeding device may include time controlling means.

Details therefor, e.g. feed drop tube, etc.
Feeding pans, feed box, etc.

A01K 39/014

Feed troughs; Feed throwers

Definition statement

This place covers:

Bird troughs, e.g. with bird-actuated covers.

Bird throwers, i.e. throwing-out feed, by means of e.g. propelling, centrifugal.

Troughs for batteries.

Grids for troughs, anti-roost devices for troughs.

Trough aspect is prevailed, feeder may include a hopper or other delivery means, e.g. a foraminous hopper for direct access.

Devices may include a shelter.

Heating or lighting means may be incorporated.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Device Description</th>
<th>CPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feeding or drinking devices associated with cages.</td>
<td>A01K 1/0356</td>
</tr>
<tr>
<td>Feed troughs; Feed pails.</td>
<td>A01K 5/01</td>
</tr>
<tr>
<td>Nest-boxes.</td>
<td>A01K 31/14</td>
</tr>
<tr>
<td>Feeding or drinking appliances for poultry or other birds.</td>
<td>A01K 39/00</td>
</tr>
<tr>
<td>Feeding devices.</td>
<td>A01K 39/01</td>
</tr>
<tr>
<td>Filling automatically</td>
<td>A01K 39/012</td>
</tr>
<tr>
<td>Of bivalves, e.g. oysters or mussels</td>
<td>A01K 61/54</td>
</tr>
</tbody>
</table>

**A01K 39/02**

Drinking appliances (A01K 39/04 takes precedence)

**Definition statement**

This place covers:

Poultry watering systems involving features of more than one subgroup of A01K 39/02.

Devices may be bird-actuated, other than nipples.

Drinking system may be remote controlled.

Flush apparatus for watering system.

Drinking troughs; their accessories, e.g. covers.

Details of general importance, e.g. anti-freeze devices, heating devices, over flow plug, etc.

Battery drinking systems.

Cleaning apparatus for watering devices.

Structures for supporting water systems, e.g. a hanger.
References

Limiting references

This place does not cover:

| Combined feeding and drinking appliances | A01K 39/04 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Feeding or drinking devices associated with cages | A01K 1/0356 |
| Watering equipment for stock or game | A01K 7/00 |
| Feed troughs; Feed throwers | A01K 39/014 |
| Drinking appliances | A01K 39/02 |
| Nipple drinkers | A01K 39/0213 |
| Construction of valves | F16K |

A01K 39/0213

{Nipple drinkers}

Definition statement

This place covers:

Water or liquid food dispensing by means of nipple drinkers/drinking valves.

• may include medicine dispensing means.
• may include cleaning system.
• may be animal-operated.

Details therefor, e.g. pipes, valves, etc.
Pressure regulators.

A01K 39/022
with weight-controlled supply

Definition statement

This place covers:

Poultry watering systems, with weight-controlled supply, e.g. suspension-type drinking system.
- by means of e.g. a valve for regulating amount of water, closure mechanism, etc.
Cleaning devices therefore, may be self cleaning.

**A01K 39/024**

with float-controlled supply

**Definition statement**

*This place covers:*

Poultry watering systems, with float-controlled supply.

Float controlled valve mechanisms.

Details therefore, e.g. valves, float box, etc.
**A01K 39/026**
kept filled to constant level from incorporated storage

**Definition statement**

*This place covers:*

Drinking devices kept filled to constant level from incorporated storage, e.g. water supply container.

• may include heating devices, anti-roost device, etc.

Devices may be in combination with a feeding device.

**A01K 39/04**
Combined feeding and drinking appliances {, e.g. also for batteries}

**Definition statement**

*This place covers:*

Combined feeding and drinking appliances for birds/ poultry.

• may include anti-freeze devices, time-control devices, etc.
Device may be in combination with shelter.

A01K 39/06

Cramming appliances {, e.g. helical force-feeders}

Definition statement

This place covers:
Cramming appliances.

Special cages with constraining means for cramming animals.

Force-feeders.

Devices may include a weight/quantity controller, pump, etc

Trolleys for moving along (an operator) in front of cages.

Metering feed-pistols, etc.
Animals may be other than birds, e.g. laboratory animals.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Cages</th>
<th>A01K 31/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constraining birds</td>
<td>A01K 37/00</td>
</tr>
<tr>
<td>Feeding devices</td>
<td>A01K 39/01</td>
</tr>
<tr>
<td>Introducing materials into animals</td>
<td>A61D 7/00</td>
</tr>
</tbody>
</table>

A01K 41/00

Incubators for poultry

Definition statement

This place covers:

Devices for incubating eggs and hatching devices.
- may include ventilating devices, lightning, climate control, temperature control device, etc.

Devices for turning eggs.
Devices may be transportable.

**A01K 41/02**

**Heating arrangements**

**Definition statement**

*This place covers:*

Heating arrangements for incubators for poultry.

- by means of electric heating, heat exchange fluid, warm air flow, etc.

Devices may be in combination with ventilation means, humidity control, etc.
A01K 41/023

{Devices for regulating temperature}

**Definition statement**

*This place covers:*

Devices for regulating temperature in incubators for poultry.

Devices may be in combination with ventilating means, etc.

---

A01K 41/026

{Heating with water}

**Definition statement**

*This place covers:*

Incubators for poultry, heated with water.

Details therefor, e.g. heat regulating means, heat exchange liquid, thermostatic control device, etc.
A01K 41/04

Controlling humidity in incubators

Definition statement

This place covers:

Devices for controlling humidity in incubators.
  • by means of e.g. weighing device.

Devices may be in combination with ventilation and temperature control device, e.g. air-control unit.

A01K 41/06

Egg-turning appliances for incubators

Definition statement

This place covers:

Egg-turning devices for incubators.

Devices for rolling eggs.

Transfer devices for eggs, e.g. rotator assembly.

Control devices, e.g. turning control signal.
A01K 41/065

{Egg drawers}

**Definition statement**

*This place covers:*

Egg drawers, e.g. for incubators for poultry.

Drawers may include egg-turning device.

Drawers may be divided in different compartments, cells, etc.

A01K 43/00

**Testing, sorting or cleaning eggs (investigating or analysing eggs, e.g. by canding G01N 33/08); {Conveying devices (for batteries A01K 31/165); Pick-up devices}**

**Definition statement**

*This place covers:*

Devices for performing different kind of treatment steps with eggs, e.g. transporting, conveying, picking up, putting down, ordering, aligning, emptying, irradiating etc, impregnating, crack-checking, cracking (e.g. for embryo extraction), sorting, measuring/weighing, etc.
Devices for packaging and storing eggs.

References

Limiting references

This place does not cover:

| Egg collecting or counting | A01K 31/165 |
| Investigating or analyzing eggs, e.g. by candling | G01N 33/08 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Other aviculture appliances | A01K 45/00 |
| Opening, or yolk-white separating, in bulk | A23J 1/00 |
| Sorting | B07C 1/00 |
| Packing | B65B 23/00 |
| Conveying | B65G 1/00 |
| Counting of objects | G06M 7/00 |

A01K 43/005

{Cleaning, washing of eggs}

Definition statement

This place covers:

Egg washing and cleaning devices.

Egg sanding devices.

Details therefor, brushes, water spray, conveyor, etc.
Devices may include a combination of different cleaning features, e.g. washing, drying, sanding, etc.

**A01K 43/04**

**Grading eggs**

**Definition statement**

This place covers:

Devices for grading eggs.

Devices may be in combination with cleaning, sorting devices.

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Sorting according to weight in general</th>
<th>B07C 5/16</th>
</tr>
</thead>
</table>


A01K 43/06
according to size

Definition statement
This place covers:
Grading eggs according to size.
Devices may include measuring device.

A01K 43/08
according to weight

Definition statement
This place covers:
Grading eggs according to weight.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Sorting according to weight in general | B07C 5/16 |
A01K 43/10
Grading and stamping

Definition statement
This place covers:
Devices for grading and stamping of eggs.
Devices for printing on eggs, e.g. inkjet printer.
Egg dyeing devices, laser devices, etc.

A01K 45/00
Other aviculture appliances, e.g. devices for determining whether a bird is about to lay

Definition statement
This place covers:
Transporting or conveying birds (in particular poultry in quantities).
Devices for sex determination of poultry.
Sorting, weighing and/or counting birds.
Bird baths and showers, may be combined with watering.
Influencing or measuring biological activity, e.g. by electrical field.
Assisting birth, e.g. shell-openers.
Anti-vermin devices.
Shackling (living) birds.
Devices for assisting (artificial) insemination.
Conditioning fighting cocks, e.g. by artificial spurs.
Protective gear for birds, e.g. saddles.
Devices for control of static neutralisation.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Category</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Devices for use in keeping domestic animals</td>
<td>A01K 1/035</td>
</tr>
<tr>
<td>Feeding or drinking devices associated with cages</td>
<td>A01K 1/0356</td>
</tr>
<tr>
<td>Devices for grooming or caring of animals</td>
<td>A01K 13/00</td>
</tr>
<tr>
<td>Training or exercise equipment</td>
<td>A01K 15/02</td>
</tr>
<tr>
<td>Dehorners; Horn trainers</td>
<td>A01K 17/00</td>
</tr>
<tr>
<td>Other apparatus for animal husbandry</td>
<td>A01K 29/00</td>
</tr>
<tr>
<td>Poultry cages</td>
<td>A01K 31/002</td>
</tr>
<tr>
<td>Floors</td>
<td>A01K 31/007</td>
</tr>
<tr>
<td>Cages</td>
<td>A01K 31/06</td>
</tr>
<tr>
<td>Transportable cages</td>
<td>A01K 31/07</td>
</tr>
<tr>
<td>Constraining birds</td>
<td>A01K 37/00</td>
</tr>
<tr>
<td>Shackling dead poultry</td>
<td>A22C 21/00</td>
</tr>
<tr>
<td>Debeaking</td>
<td>A61D 1/005</td>
</tr>
<tr>
<td>Artificial insemination</td>
<td>A61D7/02</td>
</tr>
<tr>
<td>Transport trucks</td>
<td>B60P 3/04</td>
</tr>
<tr>
<td>Bird transport boxes</td>
<td>B65D 85/50</td>
</tr>
</tbody>
</table>

A01K 45/002

{Bird baths or showers}

Definition statement

This place covers:

Bird baths or showers.

• may include feeding system.
• may be self cleaning, self-filling.
• may include anti-freeze facilities e.g. a heater.

Devices for attaching birdbaths to e.g. walls, trees, cage, etc.
Details therefor e.g. filling and flushing valve, etc.

A01K 45/005

{Harvesting or transport of poultry}

Definition statement

This place covers:
Loading and unloading devices for poultry, or crates.
Devices for distributing poultry to receiving bins, (multi-layer) containers, etc.
Devices for gripping the feet of poultry and suspending poultry from its legs.
Poultry collecting devices, by means of e.g. picking up, etc.
Devices for transporting poultry, e.g. containers.
**A01K 45/007**

*Injecting or otherwise treating hatching eggs*

**Definition statement**

*This place covers:*

Devices for injecting eggs, may be automatic.

Introducing material into eggs, e.g. feeding a subject prior to hatch, fertilizing eggs.

Pre-hatch sex determination.

Method for localizing allantoic fluid.

Means of non-invasive forced oxygen enrichment.

---

**A01K 47/00**

**Beehives**

**Definition statement**

*This place covers:*

Beehives, nesting boxes, e.g. Kenya hives.

- may enable housing of multiple colonies.
- may include ventilation.

Beehives may be portable, disposable, biodegradable, etc.

Covers for beehives.
Bee observation devices.

**A01K 47/02**

Construction or arrangement of frames for honeycombs

**Definition statement**

*This place covers:*

- Frames for, or including, honeycombs.
- Methods and devices for producing or assembling the frames.
- Frames may be foldable.
- Reinforcing elements for honeycombs.
- Means for holding honeycombs or frames in the beehive.
- Means for keeping distance between frames or honeycombs.
- Honeycombs may be complete (ready to breed), or to be completed by bees.
- Combination of frames with honeycombs, the frames having particular importance.
Mounting honeycombs into frames, e.g. by heating wires.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Beehives</th>
<th>A01K 47/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artificial honeycombs</td>
<td>A01K 47/04</td>
</tr>
</tbody>
</table>

A01K 47/04

Artificial honeycombs

Definition statement

This place covers:

Artificial honeycombs or foundations.

Methods and devices for producing them.

Ways of assembling them into frames.

Extraction of honey from specially designed honeycomb, e.g. by heat.

Honeycombs may be complete (ready to breed), or to be completed by bees.
Means for producing foundation plates, e.g. wax foundation.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction or arrangement of frames for honeycombs</td>
<td>A01K 47/02</td>
</tr>
<tr>
<td>Appliances for treating beehives or parts thereof</td>
<td>A01K 51/00</td>
</tr>
<tr>
<td>Honey collection</td>
<td>A01K 59/00</td>
</tr>
</tbody>
</table>

A01K 47/06

Other details of beehives, e.g. ventilating devices, entrances to hives, guards, partitions or bee escapes

Definition statement

This place covers:

Entrance-gates, may be anti-parasite. Control devices for entrance, etc.
Trapping (sick) bees device.
Ventilation means for beehives.
Methods for obtaining honey from bees.
Bee venom collecting device.
Pollinating systems.

A01K 49/00

Rearing-boxes; Queen transporting or introducing cages

Definition statement

This place covers:

Any means for rearing bees, not covered by other groups.

Treating bees, e.g. by irradiation.

(Artificial) insemination of queen bees.

Measuring or testing bees.

Artificially hatching queen bees.

Containers for transporting (e.g. shipping) queen bees.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Reference</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rearing-boxes; Queen transporting or introducing cages</td>
<td>A01K 47/06</td>
</tr>
<tr>
<td>Appliances for treating beehives or parts thereof</td>
<td>A01K 51/00</td>
</tr>
<tr>
<td>Bee-smokers; Bee-keepers accessories</td>
<td>A01K 55/00</td>
</tr>
<tr>
<td>Appliances for providing, preventing, or catching swarms</td>
<td>A01K 57/00</td>
</tr>
<tr>
<td>Rearing or breeding animals, not otherwise provided for</td>
<td>A01K 67/00</td>
</tr>
</tbody>
</table>

A01K 51/00

Appliances for treating beehives or parts thereof, e.g. for cleaning or disinfecting

Definition statement

This place covers:

Anti-parasite entrances.

Devices for removing parasites, by means of sound-waves, vaporizing formic acid, magnetic treatment, etc.

Thermostatic control devices, e.g. hot-air drier.

Devices for cleaning bee hive frames, bee board, etc.

Means for supplying fresh water for the bees.
A01K 53/00

Feeding or drinking appliances for bees

Definition statement

This place covers:
Feeding and drinking appliances for bees, e.g. drinking trough, etc.
Devices for filling feeding and drinking appliances.
Bee feeders may be automatic.
Devices may include heating system.

A01K 55/00

Bee-smokers; Bee-keepers' accessories, e.g. veils

Definition statement

This place covers:
Insect protecting body garment, e.g. head screen, protective bag, etc.
Bee-hive transport devices.
Devices for controlling/ monitoring behaviour of bees.
Devices for lifting an moving bee- hives.
Bee smokers.
Devices for assessing bee temperament.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| 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

Definition statement

This place covers:

Devices for detecting bee-swarms.

Devices for catching/trapping bee swarms.

Devices for controlling swarming of bees, e.g. by means of pheromones.

Appliances for re-queenimg a hive.
Devices for breeding bee colonies.

A01K 59/00
Honey collection

Definition statement
This place covers:
Collection frames for honey.
Devices for removing honey frames, e.g. de-boxing device.
Devices for separating honey from honeycombs.
Devices for cutting and wrapping honey.
Devices for liquefying honey.

A01K 59/02
Devices for uncapping honeycombs

Definition statement
This place covers:
Honeycomb uncapping device, e.g. fail-type.
Devices for moving lids from honeycombs.
Cutting knife, may be electrically heated.

Devices may include honey extracting device.

A01K 59/04

Honey strainers {; Strainers with centrifuges or presses}

**Definition statement**

*This place covers:*

Centrifugal honey extraction device.

Honey presses.

Devices for extracting honey by means of blowing air into cells of the honeycomb.
Devices for separating bees wax and honey or removing moisture from honey.

A01K 59/06

Devices for extracting wax

Definition statement

This place covers:

Devices for extracting bees wax, e.g. by means of rotation, etc.

Devices for melting wax from honey combs, e.g. by means of microwaves, hot water, etc.

Bee hive press.

Devices for treating wax, purifying wax.
A01K 61/00

Culture of aquatic animals (receptacles for live fish, e.g. aquaria, A01K 63/00)

Definition statement

This place covers:

Culture of fish or other water-animals (including aquatic insects), in ponds, containers, streams, or open sea.

Feeding schedules therefor.

Containers for aquatic animals culture.

Tools for aquatic animals culture, e.g. servicing machines for basins.

Artificial reefs; Artificial seaweed.

Fish brooders.

Accessories, e.g. floats, combined feeding and aerating means.

Treating aquatic animals, e.g. by soaking in medical solution.

Methods of producing pearls.

Devices for removing parasites from fish.

References

Limiting references

This place does not cover:

Receptacles for live fish, e.g. aquaria, A01K 63/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Other apparatus for animal husbandry</th>
<th>A01K 29/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sorting, grading, counting or marking live fish</td>
<td>A01K 61/90</td>
</tr>
<tr>
<td>Cleaning bottoms or walls of ponds or receptacles</td>
<td>A01K 63/10</td>
</tr>
<tr>
<td>Stationary catching devices</td>
<td>A01K 69/00</td>
</tr>
<tr>
<td>Method or means of catching fish in bulk</td>
<td>A01K 79/00</td>
</tr>
</tbody>
</table>
A01K 61/00 (continued)

<table>
<thead>
<tr>
<th>By electrocution</th>
<th>A01K 79/02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harvesting oysters, mussels, sponges or the like</td>
<td>A01K 80/00</td>
</tr>
<tr>
<td>Culture of algae</td>
<td>A01G 33/00</td>
</tr>
<tr>
<td>Fish repellers etc. for hydraulic power plants etc</td>
<td>E02B 1/006</td>
</tr>
<tr>
<td>Apparatus for protecting banks, coasts or harbours</td>
<td>E02B 3/04</td>
</tr>
<tr>
<td>Fish passages</td>
<td>E02B 8/08</td>
</tr>
<tr>
<td>Monitoring environment by test fishes</td>
<td>G01N 33/182</td>
</tr>
</tbody>
</table>

**A01K 61/10**

**of fish**

**References**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

<table>
<thead>
<tr>
<th>Slaughtering or stunning of fish</th>
<th>A22B 3/08</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processing fish (dead)</td>
<td>A22C 25/00</td>
</tr>
<tr>
<td>Preserving fish products</td>
<td>A23B 4/00</td>
</tr>
</tbody>
</table>

**A01K 61/17**

**Hatching, e.g. incubators**

**Definition statement**

*This place covers:*

- Devices for larvae breeding.
- Devices for incubating eggs and larvae and transportation means therefor.
- Devices for planting eggs.
- Breeding devices for live-bearing-fish.
- Hatcheries, may be part of fish farm.
- Collector tanks for eggs.
- Rearing procedures.
A01K 61/50

of shellfish (A01K 61/30, A01K 61/40 take precedence)

References

Limiting references

This place does not cover:

<table>
<thead>
<tr>
<th>Culture of sponges, sea urchins or sea cucumbers</th>
<th>A01K 61/30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Culture of annelids, e.g. lugworms or Eunice</td>
<td>A01K 61/72</td>
</tr>
</tbody>
</table>

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Processing shellfish | A22C 29/00 |

A01K 61/54

of bivalves, e.g. oysters or mussels

Definition statement

This place covers:

- Culture of bivalves in ponds, containers, streams, or the open sea.
- Containers for bivalves, e.g. baskets.
- Tools for bivalves, e.g. hoists for cases.
- Devices for spreading oyster seed.
- Methods for harvesting molluscs from substrates.
- Culture of pearls, artificial pearls made from natural matter.
- Methods and devices for protecting cultures from predators.
- Shell stringers.
- Artificial reefs for bivalves, other than artificial seaweed.
- Feeding devices for shellfish.
- Harvesting methods and devices.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Topic</th>
<th>CPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rearing snails</td>
<td>A01K 67/00</td>
</tr>
<tr>
<td>Harvesting oysters, mussels, sponges or the like</td>
<td>A01K 80/00</td>
</tr>
<tr>
<td>Grading molluscs</td>
<td>A22C 29/00</td>
</tr>
<tr>
<td>Cleaning molluscs</td>
<td>A22C 29/04</td>
</tr>
<tr>
<td>Amphibious vehicles</td>
<td>B60F 1/00</td>
</tr>
<tr>
<td>Artificial seaweed</td>
<td>E02B 3/043</td>
</tr>
<tr>
<td>Artificial reefs</td>
<td>E02B 3/06</td>
</tr>
</tbody>
</table>

**A01K 61/59**

of crustaceans, e.g. lobsters or shrimps

**Definition statement**

This place covers:

- Aquaculture farming systems for shrimps, crayfish or lobsters.
- Habitats thereof, e.g. (mating) tanks, containers, aquaria, for raising crustaceans in different stages of development.
- Devices for handling eggs and larvae of crustaceans, e.g. vacuum devices or devices for incubation.
- Methods for increasing the production of larvae.
- Harvesting devices for shrimps.

**A01K 61/60**

Floating cultivation devices, e.g. rafts or floating fish-farms

**Definition statement**

This place covers:

- Floating fish-farming systems.
- Water circulating devices or pollution control systems.
- Devices for raising and lowering fish cages.
- Devices for anchoring floating fish cages, e.g. floating rings.
• Submersible cages, rearing pens or fish traps.

A01K 61/70
Artificial fishing banks or reefs

Definition statement
This place covers:
• Artificial reefs or parts for artificial fishing banks, e.g. tyres, concrete or synthetic aquatic structures, for use in aquaria, tanks or the open sea.
• Artificial seaweed, e.g. seaweed bed, or rocks.
• Fish habitat structures, including traps.
• Devices providing food, shelter or reproductive support.

References

Informative references
Attention is drawn to the following places, which may be of interest for search:

| Fish holds for live fish in fishing vessels | B63B 35/26 |

A01K 61/73
assembled of components (A01K 61/72 takes precedence)

References

Limiting references
This place does not cover:

| Made of tyres | A01K 61/72 |
A01K 61/75
floating (A01K 61/72 takes precedence)

References
Limiting references
This place does not cover:

| Made of tyres | A01K 61/72 |

A01K 61/80
Feeding devices

Definition statement
This place covers:

- Devices floating, under water or at shore for feeding fish, e.g. centrifugal feed distributors or feed spreaders.
- Automatic, refrigerated feeding devices.
- Devices including dosing mechanisms or using timed control.
- Devices for measuring the rate of food loss in fish farming.
- Fish attracting devices.
- Devices for feeding live food.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Automatic feeding devices | A01K 5/02 |
| Animal feeding-stuffs from fish | A23K 10/22 |
| Feeding-stuffs for aquatic animals | A23K 50/80 |
A01K 61/85
for use with aquaria

Definition statement

This place covers:

• Fish-feeding devices specially adapted to aquaria and normally not applicable to open pond pisciculture.
• The feeder may consist of foodstuff in a special form, e.g. applicable to an aquarium wall, e.g. wax-based fish food.
• Feeders containing living matter, e.g. algae.
• Devices may include timing, lighting, filter or heating devices. However, of relevance is time-control only.
• Fish-operated or automatic feeding devices.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Dispensing by dosing means</th>
<th>A01K 5/0233</th>
</tr>
</thead>
<tbody>
<tr>
<td>With timing mechanisms</td>
<td>A01K 5/0291</td>
</tr>
<tr>
<td>Feeding-stuffs for aquatic animals</td>
<td>A23K 50/80</td>
</tr>
</tbody>
</table>

A01K 61/90

Sorting, grading, counting or marking live aquatic animals, e.g. sex determination

Definition statement

This place covers:

• Fish sorting and grading devices, e.g. by weight, size.
• Fish counting devices.
• Fish holding systems.
• Devices for tracking objects under water.
• Tagging systems, e.g. bass tags or implant tags.
• Fish behaviour control systems.
• Harvesting and sorting devices for e.g. shrimp, oysters, etc.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Reference</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sorting dead fish</td>
<td>A22C 25/04</td>
</tr>
<tr>
<td>Sorting in general</td>
<td>B07B, B07C</td>
</tr>
<tr>
<td>Counting in general</td>
<td>G06M</td>
</tr>
</tbody>
</table>

A01K 63/00

Receptacles for live fish, e.g. aquaria (keepnets or other containers for keeping captured fish A01K 97/20); Terraria

Definition statement

This place covers:

Containers for fish or other water-organisms, or their eggs to be kept alive. (Also tanks, aquaria, ponds, basins, etc.)

Devices for transporting water-organisms, e.g. containers, tanks, aquaria, etc.

Catching or feeding means may be incorporated, but no rearing aspect present.

Containers may serve for use under or out of the water.

Organisms may be bait animals, e.g. small fish.

Containers may incorporate ancillary systems, e.g. for aerating, anti-frees, bird deterring device, etc.
Containers may comprise netted portions.

References

Limiting references

This place does not cover:

<table>
<thead>
<tr>
<th>Reference</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keepnets</td>
<td>A01K 97/20</td>
</tr>
</tbody>
</table>

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Reference Description</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Culture of aquatic animals</td>
<td>A01K 61/00</td>
</tr>
<tr>
<td>Of bivalves, e.g. oysters or mussels</td>
<td>A01K 61/54</td>
</tr>
<tr>
<td>Aquaria, Terraria</td>
<td>A01K 63/003</td>
</tr>
<tr>
<td>Arrangements for treating water specially adapted</td>
<td>A01K 63/04</td>
</tr>
<tr>
<td>Methods or means of catching fish in bulk not provided</td>
<td>A01K 79/00</td>
</tr>
<tr>
<td>Cargo vessel holds for live fish</td>
<td>B63B 35/26</td>
</tr>
<tr>
<td>Package-containers for fish</td>
<td>B65D 85/50</td>
</tr>
</tbody>
</table>

**A01K 63/003**

{Aquaria; Terraria (A01K 63/04, A01K 63/06 take precedence)}

Definition statement

This place covers:

- Aquaria, terraria, or combinations thereof, also e.g. with plants etc.
- may be mountable on wall, mobile, etc.
- Combined devices for feeding, heating, lighting, filtration or water treatment.
- Structural details, e.g. framework, etc.
- Accessories, e.g. snail traps, breeding boxes, decorations, control boxes, etc.
- Holders for accessories, e.g. suction holders.
Observation chambers for water-animals.

**References**

**Limiting references**

*This place does not cover:*

<table>
<thead>
<tr>
<th>Arrangements for treating water specially adapted to receptacles for live fish</th>
<th>A01K 63/04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arrangements for heating or lighting</td>
<td>A01K 63/06</td>
</tr>
</tbody>
</table>

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

<table>
<thead>
<tr>
<th>Beehives</th>
<th>A01K 47/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Culture of aquatic animals</td>
<td>A01K 61/00</td>
</tr>
<tr>
<td>Receptacles for live fish.</td>
<td>A01K 63/00</td>
</tr>
<tr>
<td>Cleaning bottoms or walls of ponds or receptacles.</td>
<td>A01K 63/10</td>
</tr>
<tr>
<td>Rearing or breading animals, not otherwise provided for.</td>
<td>A01K 67/00</td>
</tr>
<tr>
<td>Flower boxes...</td>
<td>A01G 9/00</td>
</tr>
<tr>
<td>Showcases...</td>
<td>A47F 3/00</td>
</tr>
</tbody>
</table>

**A01K 63/006**

*Accessories for aquaria or terraria*

**Definition statement**

*This place covers:*

Ornaments for aquaria and terraria, e.g. (synthetic) plants, rocks, etc.

Water flow control devices e.g. a wave-making device.

Fountains.
Cleaning and filtration systems.
Supporting structures for aquaria and terraria.
Dividers for in aquaria en terraria.

**A01K 63/02**

Receptacles specially adapted for transporting live fish

**Definition statement**

*This place covers:*
Containers for transporting fish, shellfish or crustaceans.
Devices for displacement of live fish.
Transport devices for live baits, may include artificial muddy sand.
Packaging for oysters.
Means of suppressing motion functions in fish, e.g. anaesthetization.
Transport devices may include cooling system.
Animals may be separated or transported in groups.

**A01K 63/04**

Arrangements for treating water specially adapted to receptacles for live fish

**Definition statement**

*This place covers:*

Water treatment devices specially adapted to aquaculture. Mostly for aquarium/terrarium use, but also for other receptacles for aquaculture, e.g. holders for molluscs, or even ponds etc.

Aquarium filters, may be in combination with pumps.

Electrolytic water treatment.

Water treatment with (e.g. UV-) rays radiation.

Cleaning water or sand in aquaria.

(Aquarium) water outlets or inlets, e.g. siphons.

Pesticide dispensers for aquaria.

Devices for transferring water between different zones of e.g. ponds.

Artificial (see) water solutions.

Devices for removing pollution of aqueous bodies.

Devices for testing toxicity of water.
Means for acclimatising salt-water fish to brackish or fresh water.

See also:

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Culture of aquatic animals</td>
<td>A01K 61/00</td>
</tr>
<tr>
<td>Aquaria; Terraria</td>
<td>A01K 63/003</td>
</tr>
<tr>
<td>Introducing gases into the water</td>
<td>A01K 63/042</td>
</tr>
<tr>
<td>Cleaning bottoms or walls of ponds or receptacles</td>
<td>A01K 63/10</td>
</tr>
<tr>
<td>Filters in general</td>
<td>B01D</td>
</tr>
<tr>
<td>Ion exchange</td>
<td>B01J</td>
</tr>
<tr>
<td>Water treatment in general</td>
<td>C02F</td>
</tr>
<tr>
<td>Artificial ponds</td>
<td>E02B 1/00</td>
</tr>
<tr>
<td>Pumps in general</td>
<td>F04F 1/00</td>
</tr>
<tr>
<td>Monitoring water quality</td>
<td>G01N 33/182</td>
</tr>
</tbody>
</table>

**A01K 63/042**

[Introducing gases into the water, e.g. aerators, air pumps]

**Definition statement**

*This place covers:*

Devices for introducing gasses into bodies of water, e.g. pumps, ducts, nozzles, etc.

may include filter device.

Aeration must not merely serve for water treatment in a filter vessel outside the rearing or storing water.

Aerators may be in combination with lights or ornaments.

Gases may be generated by transformation, e.g. from tablet.

Gas introduction may involve water movement, cooling or heating.

Air filters.
Aeration of transport vessels if the vessels are not the main characteristic.

Protein skimmers, even if combined with conventional filters.

Devices for controlling the oxygen level in water.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Culture of aquatic animals</th>
<th>A01K 61/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receptacles for live fish</td>
<td>A01K 63/00</td>
</tr>
<tr>
<td>Aquaria; Terraria</td>
<td>A01K 63/003</td>
</tr>
</tbody>
</table>

A01K 63/045

{Filters for aquaria}

Definition statement

This place covers:

Filters for aquaria, may also be used for tanks, containers and ponds, e.g. water surface filter.

Devices may be placed in the water or outside.

Pumps in combination with filters.

Filter may be self-cleaning.

Details therefor, e.g. suction unit, water control valve, pipes, etc.
Computer automated filtration systems.

**A01K 63/047**

{Liquid pumps for aquaria (air pumps for aquaria A01K 63/042)}

**Definition statement**

This place covers:

Pumps, mostly for aquaria, e.g. air pump, water pump, rotary pump, etc.

Housings for pumps, e.g. with vibration dampening or noise reducing means.

Devices for attaching pumps, e.g. to aquarium wall, etc.

Devices may include filter, aeration, cleaning system, etc.

Details therefor, e.g. valves, motor, etc.

**References**

**Limiting references**

This place does not cover:

| Air pumps for aquaria | A01K 63/042 |
A01K 63/06
Arrangements for heating or lighting in, or attached to, receptacles for live fish

Definition statement

This place covers:
Aquarium lighting devices, may be incorporated in ornament, cover or wall of aquarium, terrarium, etc.
Heating devices for aquarium, terrarium, etc, may be in combination with lighting device.
Details therefor, e.g. light fittings, hanger for tubular lamps, lamp housing structures, etc.
Controlling devices for the environment, e.g. water temperature, etc.

References

Informative references
Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Lighting apparatus per se</th>
<th>F21</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed electric lighting devices</td>
<td>F21S</td>
</tr>
<tr>
<td>ELECTRIC LIGHTING NOT OTHERWISE PROVIDED FOR</td>
<td>H05B</td>
</tr>
<tr>
<td>Electric heating</td>
<td>H05B 1/00, H05B 3/00</td>
</tr>
</tbody>
</table>

A01K 63/065
{Heating or cooling devices}

Definition statement

This place covers:
Heating and/or cooling devices for aquarium (heating/cooling water) or terrarium (heating/cooling air).

Holders for heating and cooling devices.

May include e.g. filter systems, lighting, etc.

Controlling devices for temperature.
Devices may be incorporated in an ornament.

A01K 63/10

Cleaning bottoms or walls of ponds or receptacles

Definition statement

This place covers:

- Cleaning devices for water tanks.
- Devices for cleaning aquarium windows, by means of e.g. magnets.
- Cleaning devices for under water apparatuses, e.g. tube-shaped subsea structures.
- Screen cleaners.
- Devices for removing sediments.
- Devices for preventing algae growth, e.g. using ultrasonic waves.
- Devices for removing stains from submerged walls.
- Water recycling and filtering systems.
- Fish manure removal devices.
- Details therefor, e.g. pumps or pipes.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Cleaning windows</th>
<th>A47L 1/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tank cleaning specially adapted for vessels</td>
<td>B63B 57/00</td>
</tr>
<tr>
<td>Cleaning devices specially adapted for vessels</td>
<td>B63B 59/00</td>
</tr>
<tr>
<td>Devices for cleaning the submerged surfaces of swimming pools</td>
<td>E04H 4/16</td>
</tr>
</tbody>
</table>

A01K 65/00

Fish stringers {(devices for threading fish on strings A22C 25/10)}

Definition statement

This place covers:

Fish-stringers, quick release stringers, spring fasteners, fishline holders, etc.

• may be mechanical.

details therefor, e.g. handles.
Devices may be floating, twist-free, etc.

References

Limiting references

This place does not cover:

| Devices for threading fish on strings | A22C 25/10 |

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Fish stringer: a device for fastening together multiple caught fish to aid their transport.

A01K 67/00

Rearing or breeding animals, not otherwise provided for; New breeds of animals

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Veterinary methods for reproduction or fertilization | A61D 19/00 |
| Medicinal preparations containing sperm | A61K 35/52 |
| Apparatus for in vitro animal cell culture | C12M 3/00 |
| In vitro animal cell culture (e.g. oocytes, sperm cells and embryos) | C12N 5/00 |
| Mutation or genetic engineering | C12N 15/00 |

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Breeding: obtaining animals up to and including their birth or hatching.
A01K 67/02
Breeding vertebrates

References

Informative references
Attention is drawn to the following places, which may be of interest for search:

| Covering boxes | A01K 15/00 |
| Devices for assisting or preventing mating | A01K 21/00 |

Special rules of classification

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

Definition statement

This place covers:
The germline of animals can be altered by introduction and/or deletion of genetic material. Such genetically modified animals can be used e.g. for the production of heterologous proteins or as models for disease. This subgroup covers transgenic vertebrates (A01K 67/0275-A01K 67/0278) and invertebrates (A01K 67/033+).

In addition, the following animals which do not necessarily comprise a modified germline are classified here: chimeric animals comprising somatic cells from another individual or species (A01K 67/0271), and cloned animals (A01K 67/0273)

Relationships with other classification places

Symbols in the A01K 67/027-A01K 67/033 range are used in combination with C12N 15/8509 and subgroups if a meaningful disclosure of the vector (system) for transgenesis is given. Processes of producing embryos, including cloning of animals, are additionally indicated by C12N 15/873-C12N 15/877 symbols.

References

Limiting references

This place does not cover:

| Breeding of animals | A01K 67/02 |
| Preservation of embryos | A01N 1/02 |
| Embryonic and germ cells per se | C12N 5/00 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Screening of agents using (transgenic) animal models | A61K 49/0008 |
| Specific proteins used for transgenesis | C07K 14/00 |
Specific enzymes used for transgenesis | C12N 9/00
---|---
Further aspects of vectors | C12N 2800/00-C12N 2840/00
Testing involving animals | G01N 33/5082

**Special rules of classification**

Modified animals are classified in A01K 67/027-A01K 67/033 (animals), C12N 15/8509, C12N 15/873, C12N 15/877 (relating to vectors and methods for producing such animals) and the following ranges of symbols must be given (i.e. compulsory) to indicate further aspects thereof.

A01K 2207/00 relates to modifications that do not affect the germline.

A01K 2217/00 indicates various technical aspects of genetic modification.

A01K 2227/00 defines the species of the (genetically modified) animal.

A01K 2267/00 indicates the purpose of the (genetically modified) animal.

Whereas symbols in the A01K 2217/00 range are restricted to genetically modified animals, the symbols in the A01K 2207/00, A01K 2227/00 and A01K 2267/00 ranges are used for all modified animals covered by A01K 67/027-A01K 67/033, C12N 15/8509, C12N 15/73 and C12N 15/877. Please note that multiple symbols from each category may be required to cover all disclosed aspects.

**Genetically modified animals**

When a genetically modified animal is actually made, A01K 67/0275-A01K 67/0278, A01K 67/033 or a subgroup thereof needs to be given, whereby the last place rule applies. If a vector for transgenesis is disclosed, additionally the C12N 15/8509 symbol needs to be given. The specific aspects of the animal are to be indicated with symbols in the A01K 2217/00, A01K 2227/00 and A01K 2267/00 ranges, which must always be given. When a human transgene is introduced, A01K 2207/15 is to be added.

Special elements of the vectors are indicated using symbols in the C12N 2800/00-C12N 2840/00 ranges, whereby A01K 2217/203 takes precedence over C12N 2830/001-C12N 2830/006, and A01K 2217/206 takes precedence over C12N 2830/008. The C12N 2830/001 - C12N 2830/008 symbols are only to be given if the invention actually resides in these elements.

If the transgene can be meaningfully indicated, C07K 14/00 and/or C12N 9/00 symbols are to be given. If a viral vector is used for transgenesis, the relevant symbol from the C12N 2710/00-C12N 2795/00 range combining the taxonomy of the virus with the ending 43 (for use as a genetic vector), must be given.

**Chimeric animals**

Chimeric animals (A01K 67/0271) may result from combining cells at the embryonic stage (e.g. the sheep-goat chimera 'geep'), or from exogenously added cells later in development, for instance transfer of functional immune system cells to immuno-compromised mice, or transplantation of tumor cells to form a tumor model.

The specific species (from the A01K 2227/00 series) and purpose (from the A01K 2267/00 series) of the chimeric animal must be indicated. When human cells are introduced, A01K 2207/15 is to be added.

When a chimeric animal is disclosed, which does not relate to the core of the invention, A01K 2207/12 is to be given.

**Cloned animals**
Documents relating to methods of producing cloned mammals (C12N 15/877 and subgroups) should also be classified in A01K 67/0273 if cloned animals have actually been obtained. In addition, the appropriate A01K 2227/00 symbol should be given to indicate the species, and where relevant, the purpose (A01K 2267/00). When manipulation of (germ) cells is involved, C12N 5/00 symbols should also be considered, following the classification rules of said field.

A01K 67/033
Rearing or breeding invertebrates; New breeds of invertebrates

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Nonchemical sterilisation of invertebrates | A01M |

A01K 67/0331
{Snails (A01K 67/0333 takes precedence)}

References
Limiting references
This place does not cover:

| Genetically modified invertebrates, e.g. transgenic, polyploid | A01K 67/0333 |

A01K 67/0332
{Earthworms (A01K 67/0333 takes precedence)}

References
Limiting references
This place does not cover:

| Genetically modified invertebrates, e.g. transgenic, polyploid | A01K 67/0333 |

A01K 67/04
Silkworms {(A01K 67/0333 takes precedence)}

References
Limiting references
This place does not cover:

| Genetically modified invertebrates, e.g. transgenic, polyploid | A01K 67/0333 |
A01K 69/00
Stationary catching devices

Definition statement

This place covers:
Fish and/or crab traps, e.g. nets, crabbing bait holders.
Reaction grill nets.
Fish attracting means.
Devices for unconfined fish farming.

A01K 69/04
Fixed nets with traps

Definition statement

This place covers:
Fishing devices by means of fixed nets with traps.
CPC - A01K - 2019.05

Crab traps including nets.

A01K 69/06

Traps

Definition statement

This place covers:
Traps for fishes, crabs and other marine animals. e.g. shelter trap, etc.

Entrance gates to traps.

Devices for attracting animals into a cage, e.g. bait bag, etc.

Devices for releasing bait in combination with a trap.

Traps may include signalling device.

Trap cleaning devices.
A01K 69/08
Rigid traps, e.g. lobster pots

Definition statement

This place covers:
Rigid traps for catching, e.g. lobsters, crabs, fish, etc.
• may include escape gaps for undersized animals.

Entrance gates for these traps.

Means for marking the cages.

Devices for releasing baiting combination with these traps.

A01K 69/10
Collapsible traps

Definition statement

This place covers:
Collapsible traps for catching e.g. lobsters, crabs, fish, etc.

Collapsible bait traps.

Traps may be movable.
**A01K 71/00**

Floating nets {if drawn A01K 73/00}

**Definition statement**

*This place covers:*

Fishing by means of floating nets.

The net may be connected to inflatable floating assemblies, floating material, etc.

Floating fish baskets.

---

**References**

**Limiting references**

*This place does not cover:*

| Drawn nets | A01K 73/00 |

**A01K 73/00**

**Drawn nets**

**Definition statement**

*This place covers:*

Drawn nets for catching fish or other marine animals, e.g. taking samples of the ocean bottom.

- may be by means of wheels.
- may include cages.
A01K 73/00 (continued)

Devices for marking the nets.

A01K 73/02
Trawling nets

Definition statement

This place covers:
Trawling nets for catching fish and other marine animals.
- may include methods for sorting fish, e.g. size-sorting, etc.
Devices for ensuring a proper opening of fishing nets.
Devices for towing nets, healing gear, etc.
Trawls may be electrified.
Sweep lines for a bottom trawl.
Devices for steering trawling nets.

A01K 73/025

{Regulation of net depth}

Definition statement

This place covers:
Devices for regulating the depth of fishing nets, e.g. with adjustable angle of elevation.
Depth controlling devices.

Devices for keeping nets closer to the seabed, e.g. ground rope, etc.

**A01K 73/04**

**Devices for spreading or positioning, e.g. control thereof**

**Definition statement**

*This place covers:*

Devices for spreading and/or positioning fishing nets, e.g. float boards, special net fabric, etc.

Opening devices for nets e.g. collapse-mechanism, etc.

Steering devices for nets.

Devices for monitoring the angle settings of wires.

**A01K 73/045**

for lateral sheering, e.g. trawl boards

**Definition statement**

*This place covers:*

Devices for lateral sheering of fishing nets.

Details therefor, e.g. trawl boards, otter boards, etc.
Towing devices, lifting devices, etc.

A01K 73/05
for vertical sheering

Definition statement

This place covers:
Devices for vertical sheering of fishing nets.
Details therefor, e.g. trawling gear, vertical suspensions, otter boards, etc.
Towing devices for nets.

A01K 73/053
Ground-line rollers

Definition statement

This place covers:
Rollers, wheels or balls intended to roll over the ground substantially in trawl direction.
Ground-line rollers for fishing nets, e.g. footrope construction, etc.
Trailing devices, lead lines for fish nets, guide wheels, ground rope, tail planes, etc.
They may be attached to other parts of nets or lines than ground lines.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Devices for spreading or positioning</th>
<th>A01K 73/04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sinkers</td>
<td>A01K 75/06</td>
</tr>
<tr>
<td>Harvesting oysters, mussels, sponges or the like</td>
<td>A01K 80/00</td>
</tr>
</tbody>
</table>

A01K 73/06
Hauling devices for the headlines (, also for nets; Winches (A01K 73/12 takes precedence))

Definition statement
This place covers:
Devices or details involved in towing or hauling trawl headlines.
Devices for handling the whole net, e.g. discharging its contents.
Devices for controlling line traction or length or speed.
Winches or their control may be included, also engine control.
Details or headlines, e.g. special links, or load gauges.
Position control of net may also be involved.
Lines to be hauled may serve for other objects, e.g. lobster pots.
Discharging fish from net into boat, e.g. seine-net.

Devices may include devices for oiling/lubrication of cables.

References

Limiting references

This place does not cover:

| Nets held vertically in the water | A01K 73/12 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Determining the quantity of the catch | A01K 73/10 |
| Trotline-handling | A01K 91/18 |
| Trawlers | B63B 35/00 |
| Winches; their control | B66D 1/00 |

A01K 73/10

Determining the quantity of the catch, e.g. by the pull or drag on the lines

Definition statement

This place covers:

Devices for determining the quantity of the catch.

Devices for monitoring the forces in the cable.
Trawl cable vibration meter.

**A01K 73/12**

**Nets held vertically in the water, e.g. seines**

**Definition statement**

*This place covers:*

Seines, e.g. course-meshed seines, etc.

Cast nets, commercial fishing nets, etc.

Devices for preventing entrapment of sea mammals.

Purse-ring stripper devices.

Devices for rearing shrimp, using nets held vertically in water.

Spar buoy pen systems.

Net joining structures.

Netting may be coloured.

Nets may include fish traps.
**A01K 74/00**

**Other catching nets or the like**

**Definition statement**

*This place covers:*

Other catching nets or the like, not provided for in other groups.

Devices for transporting and/or collecting fish.

Fish catching devices.

Fish lasso's.

Details for nets, e.g. brails, etc.

Fishing methods.

---

**A01K 75/00**

**Accessories for nets; Details of nets, e.g. structure**

**Definition statement**

*This place covers:*

Structure or manufacture of nets (even if limited to particular kinds of nets) or their cables or wires.

Details of nets, e.g. connectors.

Auxiliary features, e.g. electronic accessories, other than mere illumination.

Measuring devices for or on nets, e.g. for controlling their length.
Protective devices on nets, e.g. armour plates.

Devices embracing floats and/or sinkers, e.g. their embedding in a special cable.

Handling nets (mostly ashore or on board), e.g. holding, shaking.

Devices for protecting animals, e.g. whale release device, etc.

Cleaning devices for e.g. nets.

---

### References

#### Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Receptacles for live fish</th>
<th>A01K 63/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hauling devices for the headlines</td>
<td>A01K 73/06</td>
</tr>
<tr>
<td>Determining the quantity of the catch</td>
<td>A01K 73/10</td>
</tr>
<tr>
<td>Methods or means of catching fish in bulk</td>
<td>A01K 79/00</td>
</tr>
<tr>
<td>By electrocution</td>
<td>A01K 79/02</td>
</tr>
<tr>
<td>Harvesting oysters, mussels, sponges or the like</td>
<td>A01K 80/00</td>
</tr>
<tr>
<td>Drying fishing lines</td>
<td>A01K 97/16</td>
</tr>
</tbody>
</table>

---

### A01K 75/02

#### Illuminating devices for nets

**Definition statement**

This place covers:

Illumines devices for nets and other devices for catching fish, may be chemo-light, etc.
Floating fishing lights.
Luminous fishing lure tackles.
Luminous bait.
Reflective fishing nets.

**A01K 75/04**

**Floats**

**Definition statement**

*This place covers:*

Floats, e.g. a buoyancy float, pneumatic float, etc.
- May consist of cork, foam rubber, etc.
- May be illuminated.

Devices for attaching ropes/nets to floats, e.g. clamps.

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Floats for angling | A01K 93/00 |
**A01K 75/06**

**Sinkers**

**Definition statement**

*This place covers:*

Devices for ballasting nets or net-lines, if not intended to roll over the ground substantially in trawl direction.

Sinkers forming part of specific net structures are found in groups for those structures.

Groundrope bobbins, dan-lenno bobbins.

Weighted lines, sink lines, drag-devices.

---

![Diagram of sinker with labels 14, 20, 21, 22, 23, 30.]

---

**References**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

<table>
<thead>
<tr>
<th>Category</th>
<th>CPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Culture of aquatic animals</td>
<td>A01K 61/00</td>
</tr>
<tr>
<td>Of bivalves, e.g. oysters or mussels</td>
<td>A01K 61/54</td>
</tr>
<tr>
<td>Receptacles for live fish</td>
<td>A01K 63/00</td>
</tr>
<tr>
<td>Stationary catching devices</td>
<td>A01K 69/00</td>
</tr>
<tr>
<td>Traps</td>
<td>A01K 69/06</td>
</tr>
<tr>
<td>Rigid traps</td>
<td>A01K 69/08</td>
</tr>
<tr>
<td>Devices for spreading or positioning</td>
<td>A01K 73/04</td>
</tr>
<tr>
<td>Ground-line rollers</td>
<td>A01K 73/053</td>
</tr>
<tr>
<td>Angling ballast sinkers</td>
<td>A01K 95/00</td>
</tr>
</tbody>
</table>
A01K 77/00
Landing-nets; Landing-spoons

Definition statement
This place covers:
Landing-nets, kesher, may be lightweight, collapsible, etc.
Handles for fishing-nets, may be extensible, collapsible, etc.
Devices may be useful for other purposes, e.g. egg retriever, swimming pool skinner, etc.
Details therefor, e.g. locking mechanisms, etc.

A01K 79/00
Methods or means of catching fish in bulk not provided for in groups A01K 69/00 - A01K 77/00, {e.g. fish pumps; Detection of fish; Whale fishery}

Definition statement
This place covers:
Devices for separating target and non-target species harvested from water bodies.
Devices for harvesting marine animals, e.g. brine shrimp harvester.
Devices for displacement of live fish.
Devices for determining the quantity of plankton. Devices for handling whales (carcasses).
Observation systems, ultrasonic submarine sounding equipment, etc.

A01K 79/02

by electrocution {; Attracting or stunning fish; Scaring sharks}

Definition statement

This place covers:

- Inducing movement into fish, shrimp, shellfish, etc, by electricity.
- Inducing electrotaxy (directed swimming).
- Stunning of fish and whales, by electricity.
- Killing fish, before and after catching them, by means of electricity.
- Special forms of appearance of electric current used, e.g. pulses.
- Retrieving fish etc., by electrically induced movement.
- Electric hooks for angling (stunning or killing biting fish).
- Using water as conductor, for operating, e.g. echo-sounding.
- A luring light may be involved or used alone in catching fish.
- Attracting or scaring fish etc., by means other than electricity, e.g. by bait-spreading, air bubbles, shock waves, sound, etc.
- Attracting or stunning fish
- Scaring sharks
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Training or exercise equipment | A01K 15/02 |
| Scaring in general              | A01M 29/00 |
| Fish repellers for hydroplants  | E02B 1/006 |
| Electric circuits or apparatus specially designed for use in equipment for killing, stunning or guiding living being | H05C |

A01K 80/00

Harvesting oysters, mussels, sponges or the like

Definition statement

This place covers:

Drags for catching organisms on or under ground, other than normal dragnets having ground-chains or the like.

Devices for scraping mussels poles or oyster tiles etc., also for de-scaling.

Suction harvesting devices for ground-living organisms.

Plankton harvesters, also research purposes.

Marine specimen collectors or samplers.

Dredgers for clams, etc.

Crab catchers.

Clam diggers.

Sponge harvesting.

Oyster tongs.

Rakes, for treating oyster ground bottom surface.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Topic</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Culture of aquatic animals</td>
<td>A01K 61/00</td>
</tr>
<tr>
<td>Of bivalves, e.g. oysters or mussels</td>
<td>A01K 61/54</td>
</tr>
<tr>
<td>Sorting, grading, counting or marking live aquatic animals</td>
<td>A01K 61/90</td>
</tr>
<tr>
<td>Fishing nets</td>
<td>A01K 73/00, A01K 74/00</td>
</tr>
<tr>
<td>Trawling nets</td>
<td>A01K 73/02</td>
</tr>
<tr>
<td>Methods or means of catching fish in bulk</td>
<td>A01K 79/00</td>
</tr>
<tr>
<td>Cultivation of seaweed or algae</td>
<td>A01G 33/00</td>
</tr>
<tr>
<td>Amphibious vehicles</td>
<td>B60F 1/00</td>
</tr>
<tr>
<td>Dredgers in general</td>
<td>E02F</td>
</tr>
</tbody>
</table>

A01K 81/00

Fishing with projectiles (weapons, projectiles other than fish-spears F41, F42)

Definition statement

This place covers:

Harpoons, e.g. fish tag harpoon.

Under water guns, e.g. shark gun. Details therefor, e.g. gun barrel, firing mechanism, etc.

Fishing arrows, archery fish points, etc.

Devices may include explosive head/ projectiles, tranquilizers, etc.

Fish darts, e.g. electric anti-shark dart.

References

Limiting references

This place does not cover:

<table>
<thead>
<tr>
<th>Topic</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weapons, projectiles other than fish-spears</td>
<td>F41, F42</td>
</tr>
</tbody>
</table>
A01K 81/04
Fish-spears

Definition statement

This place covers:
Fish spears, may include electricity, explosive head, etc.
Precision system for releasing e.g. a harpoon.
Arrow heads.

A01K 81/06
Equipment for hunting fish under water (swimming equipment A63B 31/00 - A63B 35/00)

Definition statement

This place covers:
Safety guns.
Details therefore, e.g. stretching mechanism for crossbow, special arrow guide in the handle, etc.

References

**Limiting references**

*This place does not cover:*

| Swimming equipment                                      | A63B 1/00 - A63B 5/00 |

**A01K 83/00**

**Fish-hooks {(making fish-hooks B21F 45/12)}**

**Definition statement**

*This place covers:*

Illustrative example of subject matter classified in this group.

References

**Limiting references**

*This place does not cover:*

| Making fish-hooks                                      | B21F 45/12 |
**A01K 83/02**

Expanding fish-hook assembly

**Definition statement**

*This place covers:*

![Diagram of expanding fish-hook assembly]

**A01K 83/04**

with special gripping arms

**Definition statement**

*This place covers:*

Illustrative example of subject matter classified in this group.

![Diagram of fish-hook assembly with special gripping arms]

**A01K 83/06**

Devices for holding bait on hooks {(baiting trotlines **A01K 91/18**; non-living bait **A01K 97/045})

**Definition statement**

*This place covers:*

Illustrative example of subject matter classified in this group.

![Diagram of devices for holding bait on hooks]
**A01K 83/06 (continued)**

**References**

*Limiting references*

This place does not cover:

<table>
<thead>
<tr>
<th>Description</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baiting trotlines</td>
<td>A01K 91/18</td>
</tr>
<tr>
<td>Holding non-living edible bait on hooks</td>
<td>A01K 97/045</td>
</tr>
</tbody>
</table>

**A01K 85/00**

**Artificial baits, {i.e. Lures}**

**Definition statement**

This place covers:

Jigheads, soft lures, lures combining several features of subclasses.

**References**

*Limiting references*

This place does not cover:

<table>
<thead>
<tr>
<th>Description</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground bait</td>
<td>A01K 97/02</td>
</tr>
</tbody>
</table>

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Description</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Device for holding bait on hooks</td>
<td>A01K 83/06</td>
</tr>
</tbody>
</table>

215
A01K 85/005
{without hooks}

Definition statement
This place covers:

A01K 85/01
with light emission, sound emission, scent dispersal or the like

Definition statement
This place covers:

References
Limiting references
This place does not cover:

Attracting fish with lighting or sound device not attached to fishing line  A01K 97/02
A01K 85/02
with means for concealing or protecting hooks, e.g. to prevent entanglement with weeds

Definition statement
This place covers:

A01K 85/08
Artificial flies

Definition statement
This place covers:

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Fishing fly tying devices                      | A01K 97/26 |
| Vice adapted for fly tying                    | A01K 97/28 |
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}

Definition statement
This place covers:
Illustrative example of subject matter classified in this group.

A01K 85/12
comprising a body rotating around its longitudinal axis, e.g. devons

Definition statement
This place covers:
Illustrative example of subject matter classified in this group.
A01K 85/14
with flat, or substantially flat, undulating bodies, e.g. spoons

Definition statement
This place covers:
Illustrative example of subject matter classified in this group.

A01K 85/16
with other than flat, or substantially flat, undulating bodies, e.g. plugs

Definition statement
This place covers:
Illustrative example of subject matter classified in this group.
A01K 85/18

in two or more pieces

Definition statement

This place covers:
Illustrative example of subject matter classified in this group.

A01K 87/00

Rods

Definition statement

This place covers:
Illustrative example of subject matter classified in this group.

A01K 87/002

{with the line passing through the hollow rod}

Definition statement

This place covers:
Illustrative example of subject matter classified in this group.
A01K 87/005
{comprising internal line guides}

Definition statement
This place covers:
Illustrative example of subject matter classified in this group.

A01K 87/007
{with built-in accessories, e.g. lighting means or measuring devices}

Definition statement
This place covers:
Illustrative example of subject matter classified in this group.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Containers or holders for hooks, lines, sinkers | A01K 97/06 |
**A01K 87/02**

Connecting devices for parts of the rods

**Definition statement**

*This place covers:*

Illustrative example of subject matter classified in this group.

---

**A01K 87/025**

{telescopic}

**Definition statement**

*This place covers:*

Illustrative example of subject matter classified in this group.
**A01K 87/04**

**Fishing-line guides on rods**, e.g. tips (internal line guides **A01K 87/005**)

**Definition statement**

*This place covers:*

Illustrative example of subject matter classified in this group.

---

**References**

**Limiting references**

*This place does not cover:*

| Internal line guides | A01K 87/005 |

---

**A01K 87/06**

**Devices for fixing reels on rods**

**Definition statement**

*This place covers:*

Illustrative example of subject matter classified in this group.
**A01K 87/08**

Handgrips

**Definition statement**

This place covers:

Illustrative example of subject matter classified in this group.

![Diagram of handgrips](image)

**A01K 87/085**

{Heating devices or other means to protect against the cold}

**Definition statement**

This place covers:

Illustrative example of subject matter classified in this group.

![Diagram of heating devices](image)

**A01K 89/00**

Reels (devices for casting lines **A01K 91/02**)

**Definition statement**

This place covers:

Subject matter comprising a portable reel (i.e., fishing reel) intended for taking up and paying out line to which tackle is attached while fishing. The reel includes a frame and a spool on which fishing line is to be wound. The reel includes a drive device for causing line to be wound or unwound from the spool or is constructed to allow hand wrapping/unwrapping of the line. The spool can have any form that
allows it to store/hold line and that allows the line to be wound onto and unwound from it. The reel may be constructed to be used without a fishing pole.

References

Limiting references

This place does not cover:

| Devices for casting lines | A01K 91/02 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Containers or holders for lines | A01K 97/06 |
| Reel covers within fishing rod containers | A01K 97/08 |
| Reels and spools for storing webs, tapes, or filamentary material | B65H 75/00 |
| Toothed gearing in general | F16H 1/00 |
| Linear distance or length measurement system | G01B 1/00 |
| Specific measuring device in a reel | G01F 23/0023 |

Special rules of classification

In A01K 89/00 and its subgroups, only inventive classifications based on the claims are applied to documents. Classifications in A01K 89/00 and its subgroups are generally not given for unclaimed subject matter.

A01K 89/003

{Devices for transferring line to a reel}

Definition statement

This place covers:

Subject matter wherein the reel is constructed to facilitate transfer of line from a source (e.g., another spool) to the reel or subject matter including a device adapting the reel for such transfer.

Illustrative example of subject matter classified in this group.
**A01K 89/004**

{Alternate right or left side drives}

**Definition statement**

*This place covers:*
Subject matter wherein the reel includes a drive device (e.g., hand crank or motor) for providing power to the reel for winding or unwinding the line relative to the spool and wherein the reel is configured so that a user can readily selectively connect the drive device to the remainder of the reel on left and right sides of the reel.

**A01K 89/006**

{Hand crank features}

**Definition statement**

*This place covers:*
Subject matter including details of a rotatable handle forming a drive device for manually driving the reel.

Illustrative example of subject matter classified in this group.

**References**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

| General purpose crank | G05G 1/085 |

**A01K 89/009**

{Collapsible or extensible}

**Definition statement**

*This place covers:*
Subject matter wherein the hand crank (handle) has means to (a) vary its effective length, or (b) reposition the hand crank between operating and storage positions.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Extensible or collapsible hand crank in general use | G05G 1/085 |

A01K 89/01

with pick-up, i.e. with the guiding member rotating and the spool not rotating during normal retrieval of the line (A01K 89/027 takes precedence)

Definition statement

This place covers:

Subject matter wherein the reel includes a guiding member mounted on a rotatably driven rotor and a drive device (e.g., hand crank or motor) for rotating the rotor and guiding member, the fishing line engaging the guiding member and the guiding member rotating around the spool so as to wrap the line on spool while the spool is held against rotation relative to the frame of the reel. The spool may move in other ways, e.g., it may reciprocate along an axis of rotation of the guiding member to distribute the fishing line along the spool.

Illustrative example of subject matter classified in this group.

References

Limiting references

This place does not cover:

| Brake devices for reels with pick-up | A01K 89/027 |

A01K 89/0102

{with a closed face}

Definition statement

This place covers:

Subject matter wherein the frame of the reel includes a cover substantially enclosing the spool.
Illustrative example of subject matter classified in this group.

References

Limiting references

This place does not cover:

| Brake devices for closed face reels | A01K 89/0275 |

A01K 89/01025

{with line snubber shifted by a remote actuator}

Definition statement

This place covers:

Subject matter including a manual actuator spaced from and operating a line engaging brake (i.e., snubber) to force the line toward a component of the frame to control unwinding of the line. The component of the frame may be the cover.

A01K 89/01026

{with rotor and snubber shiftable axially}

Definition statement

This place covers:

Subject matter wherein the snubber is fixed to the guiding member and the manual actuator shifts both the rotor and snubber axially along the axis of winding.

A01K 89/01029

{with guiding members shifted radially}

Definition statement

This place covers:

Subject matter wherein the manual actuator also moves the guiding member radially inward to an unwinding position substantially simultaneously with the axial movement of the guiding member and brake.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Fishing reels having guiding members shiftable between winding and unwinding positions | A01K 89/01029, A01K 89/01082, A01K 89/01086, A01K 89/01087, A01K 89/0176, A01K 89/01918 |

A01K 89/0105

{Multi-speed mechanisms}

Definition statement

This place covers:

Subject matter wherein the reel includes a speed change mechanism connected between the drive device and guiding member for selectively varying the speed ratio between the drive device and the guiding member.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Drive for rotating drum having multiple speed ratios | A01K 89/0184 |

A01K 89/0106

{Ratchet-type drives}

Definition statement

This place covers:

Subject matter wherein the drive device includes an oscillated or reciprocated mechanical input member (e.g., a lever or pull cord) acting through a unidirectional device (e.g., a pawl and ratchet) to drive the guiding member for winding of the fishing line.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Ratchet-type drives for a reel having a rotary drum | A01K 89/0185 |

A01K 89/0108

{Pick-up details}

Definition statement

This place covers:
Subject matter including details of the guiding member or the rotor.

Illustrative example of subject matter classified in this group.

A01K 89/01081

{Guiding members on rotor axially rearward of spool}

Definition statement

This place covers:
Subject matter wherein the rotor is mounted for rotation at a rear end of the spool (i.e., the end of the spool opposite an end of the spool over which the fishing line passes during winding). Portions of the rotor may extend beyond the rear end (e.g., toward the forward end) of the spool.
**A01K 89/01082**

**{Guiding members shiftable on rotor}**

**Definition statement**

*This place covers:*

Subject matter wherein the guiding member is mounted on the rotor for movement relative to the rotor between a winding position in engagement with the line for wrapping it onto the spool and an unwinding position free of the line to permit the line to spin over one of the ends of the spool.

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Fishing reels having guiding members shiftable between winding and unwinding positions | A01K 89/01029, A01K 89/01086, A01K 89/01087, A01K 89/0176, A01K 89/01918 |

**A01K 89/01083**

**{to wind position by rotor drive}**

**Definition statement**

*This place covers:*

Subject matter including an actuator for causing the guiding member to move from the unwinding position to the winding position in response to rotation of the rotor by the drive device.

**A01K 89/01084**

**{Guiding members shifted to unwind position by discrete manual operators}**

**Definition statement**

*This place covers:*

Subject matter including hand manipulated means connected to the guiding member for manually moving the guiding member from the winding position to the unwinding position. The hand manipulated means may be a distinct appendage connected directly to the guiding member for finger manipulation.

**A01K 89/01085**

**{Guiding members on rotor forward of spool (A01K 89/0102 takes precedence)}**

**Definition statement**

*This place covers:*

Subject matter wherein the rotor is mounted for rotation at a forward end of the spool (i.e., the end of the spool over which the fishing line passes during winding). Portions of the rotor may extend beyond the forward end (e.g., toward the rear end) of the spool.
A01K 89/01086
{with rotor drive shifting the guiding member to unwind and wind positions}

Definition statement

This place covers:
Subject matter wherein the guiding member is mounted on the rotor for movement between a winding position in engagement with the line for wrapping it onto the spool and an unwinding position free of the line to permit the line to spin over one of the ends of the spool and wherein the drive device includes a linkage for shifting the guiding member between the winding position and the unwinding position in response to movement of the drive device.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Fishing reels having guiding members shiftable between winding and unwinding positions | A01K 89/01029, A01K 89/01082, A01K 89/01087, A01K 89/0176, A01K 89/01918 |

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

Definition statement

This place covers:
Subject matter including hand manipulated means connected to the guiding member for manually moving the guiding member from a winding position engaging the fishing line to and unwinding position out of engagement with the line.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Fishing reels having guiding members shiftable between winding and unwinding positions | A01K 89/01029, A01K 89/01082, A01K 89/01086, A01K 89/0176, A01K 89/01918 |

A01K 89/01088
{Actuators forward of spool}

Definition statement

This place covers:
Subject matter wherein the hand manipulated means or a significant portion thereof is located at the forward end of both the spool and the rotor and is manipulated from the forward end of the reel.
A01K 89/0111

{Spool details}

Definition statement

This place covers:
Subject matter including details of the spool.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Spool, per se   | B65H 75/14 |

A01K 89/01121

{Frame details}

Definition statement

This place covers:
Subject matter including details of the frame of the reel.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Details of the frame of a reel having a rotary drum | A01K 89/0192 |
**A01K 89/011221**

*{with line or water shields}*

**Definition statement**

_This place covers:_

Subject matter wherein the frame includes a gasket-like obstruction, seal, or structure providing a tortuous course to block the intrusion of foreign matter (e.g., water, dirt, or grit) into the interior of the reel.

**References**

*Informative references*

Attention is drawn to the following places, which may be of interest for search:

| Line or water shield in other reels | A01K 89/01928 |

**A01K 89/011222**

*{with lubrication features}*

**Definition statement**

_This place covers:_

Subject matter wherein the frame includes a device for facilitating the application of lubricant to a movable part of the reel.

**References**

*Informative references*

Attention is drawn to the following places, which may be of interest for search:

| Lubrication feature of a reel having a rotary drum | A01K 89/01929 |

**A01K 89/011223**

*{with bearing features}*

**Definition statement**

_This place covers:_

Subject matter wherein including details of a bearing between the frame and a movable element of the reel.

**References**

*Informative references*

Attention is drawn to the following places, which may be of interest for search:

| Bearing, per se | F16C 17/00 - F16C 43/00 |
**A01K 89/01123**

{Frame disassembly features}

**Definition statement**

*This place covers:*

Subject matter wherein the frame is provided with at least one of: (a) quick release fastening means, (b) special disassembly access to parts, and (c) special support of parts during disassembly that facilitates reassembly.

A frame connected by a series of usual threaded fasteners is not sufficient to warrant classification in this subgroup. However, more than two frame components retained by a single threaded end cap, e.g., would be considered quick release fastening means and would be sufficient.

**References**

*Informative references*

Attention is drawn to the following places, which may be of interest for search:

| Frame disassembly features in a reel having a rotary drum | A01K 89/01921 |

**A01K 89/01124**

{Hinged frame sections}

**Definition statement**

*This place covers:*

Subject matter wherein the frame includes major frame components connected together by a pivotal connection.

**A01K 89/01125**

{Rotated joints}

**Definition statement**

*This place covers:*

Subject matter wherein the reel frame includes components that are connected by a joint (e.g. bayonet or keyhole) that is releasable upon rotation of one of the components about its axis relative to another one of the components.

**A01K 89/01126**

{Threaded}

**Definition statement**

*This place covers:*

Subject matter wherein the joint includes a spiral thread-like coupling.
A01K 89/01127
{Reel supports}

**Definition statement**

*This place covers:*
Subject matter wherein the frame includes a bracket for mounting the reel on a fishing rod.

A01K 89/0113
{Spool locking devices on spool shaft}

**Definition statement**

*This place covers:*
Subject matter wherein the reel includes a latch which releasably retains the spool on a shaft of the frame.

A01K 89/0114
{Reciprocating mechanisms}

**Definition statement**

*This place covers:*
Subject matter having a distributing mechanism for systematically distributing the line along the length of the spool by periodically shifting the spool substantially linearly relative to the guiding member.

**References**

*Informative references*

Attention is drawn to the following places, which may be of interest for search:

| Device for distributing elongated material on a spool or core | B65H 54/02 |

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

**Definition statement**

*This place covers:*
Subject matter wherein the reciprocating mechanism includes a rotatable member with a surface eccentric to its axis of rotation for imparting reversible, substantially linear motion to the spool for evenly distributing line onto the spool.

A01K 89/01142
{for reciprocating the guiding member}

**Definition statement**

*This place covers:*
Subject matter wherein the distributing mechanism produces the relative motion between the spool and the guiding member by shifting the guiding member relative to the frame.
A01K 89/01143

{Reversely threaded screws}

Definition statement

This place covers:
Subject matter wherein the distributing mechanism includes at least one grooved shaft having right and left hand helical grooves merged together at each end of the grooves to receive a follower connected to the guiding member so that rotation of the grooved shaft imparts reciprocating motion to the guiding member.

A01K 89/0117

{Anti-reverse mechanisms}

Definition statement

This place covers:
Subject matter wherein the reel includes a mechanism that allows rotation of the guiding member in only one direction.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Fishing reel with pick-up having a brake for preventing rotation of an element | A01K 89/027 |
| Ratchet device | B25B 13/463 |
| General purpose, positive brake | F16F 9/12 |

A01K 89/0118

{defining home position of reel part}

Definition statement

This place covers:
Subject matter wherein the brake stops the winding mechanism at a predetermined rotary position.

A01K 89/012

motor-driven

Definition statement

This place covers:
Subject matter wherein the drive device is a motor, i.e., a device for converting potential energy into kinetic energy. Motors, e.g., spring motors, to which potential energy is supplied manually are included under this definition.
### References

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Motor driven, tangentially unwinding fishing reel | A01K 89/017 |

### A01K 89/0121

**{Spring motors}**

**Definition statement**

*This place covers:*

Subject matter wherein the motor is powered by energy stored in a resilient member (i.e., a spring).

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Spring motor driven, tangentially unwinding fishing reel | A01K 89/0171 |
| Spring motor | F03G 1/00 |
| Details of a spring device, per se | F16F 1/04 |

### A01K 89/0122

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

**Definition statement**

*This place covers:*

Subject matter having a signal device to alert a user of the reel that the fishing line is being removed from the spool.

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Unwinding indicator in a reel having a rotary drum | A01K 89/0178 |

### A01K 89/0123

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

**Definition statement**

*This place covers:*

Subject matter wherein the signal device includes a flexible spring-like member engageable with a serrated member, the members being relatively rotatable with respect to each other to provide an audible signal.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Clickers for signalling or braking | A01K 89/0179, A01K 89/051 |

A01K 89/0124

{Spring biased pawls}

Definition statement

This place covers:

Subject matter wherein the signal device includes a substantially rigid pawl having a tooth, the pawl being urged by a separate resilient means into engagement with a serrated member, the pawl and serrated member being relatively rotatable with respect to each other to provide the audible signal.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Indicator comprising a spring biased pawl in a fishing reel having a rotary drum | A01K 89/018 |

A01K 89/0125

{Plural spring sections}

Definition statement

This place covers:

Subject matter wherein the resilient means comprise either separate elements or a single element with distinct sections urging the pawl into engagement with the serrated member.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Indicator including pawl biased by spring having plural sections | A01K 89/0181 |

A01K 89/0126

{with line unwinding limiters}

Definition statement

This place covers:

Subject matter having means to selectively limit the length of line that can be unwound from the spool.
A01K 89/015

with {a} rotary drum {, i.e. with a rotating spool} (A01K 89/033 takes precedence)

Definition statement

This place covers:
Subject matter wherein the drive device rotates the spool to wind the fishing line thereon.

A01K 89/0155

Antibacklash devices

Definition statement

This place covers:
Subject matter wherein the reel includes a brake that acts to variably regulate unwinding of the line in response to conditions in the line or reel during the casting of a weighted line.

Due to factors such as spool inertia, an unwinding spool may accelerate too rapidly or continue to rotate in the unwinding direction after the line ceases to be pulled from the spool resulting in loosened turns of line or "backlash". The brake coordinates spool rotation with the acceleration, deceleration, and termination phases of line demand during casting without requiring concurrent user adjustment.

A01K 89/01555

{using magnets}

Definition statement

This place covers:
Subject matter wherein the brake includes (a) a device for producing lines of magnetic flux, and (b) an electrically conductive device disposed to cut the flux lines, one of the devices being stationary and the other rotatable with the spool to establish a braking force opposing rotation of the spool in the unwinding direction.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Magnetic line tensioning device | B65H 59/16 |
A01K 89/01556

{Line tension responsive actuators}

Definition statement

This place covers:

Subject matter wherein the brake is associated with a line engaging member shiftable in response to changes in the tension of the unwinding line to regulate braking.

A01K 89/01557

{Centrifugal}

Definition statement

This place covers:

Subject matter wherein the brake includes at least one mass element rotatable with, but shiftable relative to, the spool when subjected to the centrifugal force of rapid rotation to shift the mass element into a position to retard rotation of the spool.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Subject</th>
<th>CPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centrifugal brake retarding unwinding in a fire escape reel</td>
<td>A62B 1/10</td>
</tr>
<tr>
<td>Speed regulating brake used in various fields</td>
<td>F16D 59/00</td>
</tr>
</tbody>
</table>

A01K 89/016

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

Definition statement

This place covers:

Subject matter wherein the frame has a shaft supported at only one end and on which the spool is freely rotatable.

A01K 89/0162

{with a releasable latch to retain spool on shaft}

Definition statement

This place covers:

Subject matter including a latch that releasably retains the spool on the shaft. The latch is a manually pivotable or slidable element that can be quickly and easily moved between a position in which the latch prevents the spool from coming off of the shaft and a position in which the spool can be manually removed from the shaft without the use of tools.
**A01K 89/0165**

for trolling

**Definition statement**

*This place covers:*

Subject matter wherein the reel is configured for use in trolling (i.e., fishing from a moving boat).

Illustrative example of subject matter classified in this group.

**A01K 89/017**

motor-driven

**Definition statement**

*This place covers:*

Subject matter wherein the drive device is a motor, i.e., a device for converting potential energy into kinetic energy. Motors, e.g., spring motors, to which potential energy is supplied manually are included under this definition.

**References**

*Informative references*

Attention is drawn to the following places, which may be of interest for search:

| Motor driven fishing reel with pick-up | A01K 89/012 |
| Haulage device employing a particular motor | B66D 1/12 |

**A01K 89/0171**

{Spring motors}

**Definition statement**

*This place covers:*

Subject matter wherein the motor is powered by energy stored in a resilient member, i.e., a spring.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Reference</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring motor driven fishing reel with pick-up</td>
<td>A01K 89/0121</td>
</tr>
<tr>
<td>Non-fishing reel having spring motor</td>
<td>B65H 75/486</td>
</tr>
<tr>
<td>Spring motor</td>
<td>F03G 1/00</td>
</tr>
<tr>
<td>Details of a spring device, per se</td>
<td>E16F 1/04</td>
</tr>
</tbody>
</table>

A01K 89/0172

{actuated in response to pull on line}

Definition statement

This place covers:
Subject matter having a latch that releases the energy stored in the spring in response to a tension on the fishing line.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Reference</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic hooking device</td>
<td>A01K 91/10</td>
</tr>
<tr>
<td>Releasable lock acting against the bias of a spring motor in a reel not intended for use in fishing</td>
<td>B65H 75/4434</td>
</tr>
</tbody>
</table>

A01K 89/0173

{with independent manual drive}

Definition statement

This place covers:
Subject matter wherein the reel includes a manually operated crank to drive the spool, the spring motor and crank being selectively useable.

A01K 89/0174

{with spring chargers}

Definition statement

This place covers:
Subject matter having a selectively operable device to store energy in the spring motor independently of spool rotation.
A01K 89/0175
{Axial unwinding}

Definition statement
This place covers:
Subject matter wherein the spool does not rotate during unwinding of the line, the line unwinding by
spinning over a discharge end of the spool.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Reels in which the spool is stationary during winding | A01K 89/01 |

A01K 89/0176
{with guide shiftable between wind and unwind positions}

Definition statement
This place covers:
Subject matter including a line guide mounted for movement between (a) a winding position that
allows the winding of the line by rotation of the spool and (b) an unwinding position that allows the line
to allow the unwinding of the line by passing over the discharge end of the spool.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Fishing reels having guiding members shiftable between winding and unwinding positions | A01K 89/01029, A01K 89/01082, A01K 89/01086, A01K 89/01087, A01K 89/01918 |

A01K 89/0178
{with unwinding indicators, e.g. a bell or a flashing light}

Definition statement
This place covers:
Subject matter having a signal device to alert a user of the reel that the fishing line is being removed
from the spool.
A01K 89/0179
{Clicking indicators, e.g. flexible pawl and toothed member}

Definition statement
This place covers:
Subject matter wherein the signal device includes a flexible spring-like member engageable with a serrated member, the members being relatively rotatable with respect to each other to provide an audible signal.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Fishing reel having a clicker for signalling or braking | A01K 89/0123, A01K 89/051 |

A01K 89/018
{Spring biased pawls}

Definition statement
This place covers:
Subject matter wherein the signal device includes a substantially rigid pawl having a tooth, the pawl being urged by a separate resilient means into engagement with a serrated member, the pawl and serrated member being relatively rotatable with respect to each other to provide the audible signal.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Indicator comprising a spring biased pawl | A01K 89/0124 |

A01K 89/0181
{Plural spring sections}

Definition statement
This place covers:
Subject matter wherein the resilient means comprise either separate elements or a single element with distinct sections urging the pawl into engagement with the serrated member.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Indicator including pawl biased by spring having plural sections | A01K 89/0125 |
**A01K 89/0182**  
{with line unwinding limiters}  

**Definition statement**  

*This place covers:*  

Subject matter having means to selectively limit the length of line that can be unwound from the spool.

---

**A01K 89/0183**  
{Drive mechanism details}  

**Definition statement**  

*This place covers:*  

Subject matter including details of a drive mechanism that transmits power from the drive device to  
(a) the spool to cause the rotation of the spool that results in winding of the line thereon or (b) the  
fishing line to move the fishing line toward or away from the spool or to change its path of travel (e.g.,  
to distribute material along the spool).  

Drive mechanism details such as shock absorbers or structure that provides irregular line take-up  
rates are included.

---

**A01K 89/0184**  
{Multiple drive ratio}  

**Definition statement**  

*This place covers:*  

Subject matter wherein the drive mechanism includes structure for selectively varying the speed ratio  
between the drive device and the spool.

---

**References**  

**Informative references**  

*Attention is drawn to the following places, which may be of interest for search:*  

| Drive mechanism for a reel with pick-up having multiple speeds | A01K 89/0105 |

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**A01K 89/0185**  
{Ratchet-type drive}  

**Definition statement**  

*This place covers:*  

Subject matter wherein the drive device includes an oscillated or reciprocated mechanical input  
member (e.g., a lever or pull cord) acting through a unidirectional device (e.g., a pawl and ratchet) to  
drive the spool for winding of the fishing line.
A01K 89/0185 (continued)

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Ratchet-type drives for a reel with pick-up A01K 89/0106

A01K 89/0186

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

Definition statement

This place covers:

Subject matter wherein the drive mechanism includes a drive element shiftable from a first position for positively (i.e., without slip) transferring torque between the drive device and the spool to a second position completely interrupting the positive torque transfer.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Shiftable clutch and operator in diverse technologies F16D 11/14

A01K 89/0187

{having alternative yieldable mechanism}

Definition statement

This place covers:

Subject matter wherein the reel includes a friction device (e.g., coupling or brake) and wherein a power transmitting connection between the spool and the friction device is made and the drive element shifts to the second position (in which torque cannot be transmitted) in response to a change of the reel to a first operating state and wherein the power transmitting connection between the spool and the friction device is broken and the drive element shifts to the first position (in which torque can be transmitted) in response to a change of the reel to a second operating state.

The change in the connection between the friction device and the spool and the change in the connection between the drive device and the spool need not occur simultaneously (e.g., see U.S. Pat. No. 4,482,106; they are in response to the same condition, i.e., unwinding of the line). The operating state of the reel may be affected by conditions that are not controlled by the user (e.g., pull on the line; U.S. Pat. No. 4,482,106) or may be under the control of the user (e.g., position of a control lever; U.S. Pat. No. 4,640,471).

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Haulage reel employed in a clutch linked to a friction brake B66D 1/14

Clutch and brake combination in various devices F16D 11/14
**A01K 89/0188**

{Axially engaged}

**Definition statement**

This place covers:

Subject matter wherein the shiftable drive element rotates about an axis and moves in a direction along or parallel to the axis between the first and second positions.

**A01K 89/0189**

{Coaxial of spool}

**Definition statement**

This place covers:

Subject matter wherein the axis about which the shiftable drive element rotates is the same as an axis about which the spool rotates to wind the fishing line.

**A01K 89/01901**

{Reengageable responsive to drive rotation}

**Definition statement**

This place covers:

Subject matter wherein the drive element is shifted from the second (torque interrupting) position to the first (positive torque transferring) position in response to movement of the drive device.

**A01K 89/01902**

{Gear pair}

**Definition statement**

This place covers:

Subject matter wherein the drive element is a first gear and the drive mechanism includes a second gear that is meshed with the drive element when the drive element is in the first position and is out of engagement with the drive element in the second position.

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Haulage reel having gears shiftable into and out of intermeshing engagement | B66D 1/14 |
A01K 89/01903
{with yieldable drive coupling, e.g. friction or fluid clutch}

Definition statement
This place covers:
Subject matter wherein the drive mechanism includes a drive element adjustable to provide slippage for limiting the torque which can be transmitted between the drive device and spool.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Overload release drive coupling</th>
<th>F16D 43/206</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combined clutch and brake</td>
<td>F16D 67/02</td>
</tr>
</tbody>
</table>

A01K 89/01904
{adjustable by crank manipulation}

Definition statement
This place covers:
Subject matter wherein the reel includes a selectively shiftable crank for performing the adjustment of the drive element to vary the torque limit at which slippage occurs. E.g., shifting the crank in opposite directions may alternately increase or decrease the torque limit. “Crank” includes a manually rotated device such as a thumbwheel.

A01K 89/01905
{adjustable within distinct ranges}

Definition statement
This place covers:
Subject matter wherein the reel includes means to limit the adjustment of the torque limit to one or more ranges having predetermined minimum and maximum values.

A01K 89/01906
{between drive shaft and crank}

Definition statement
This place covers:
Subject matter wherein the drive device is a manually operated crank and the adjustable drive element of the drive mechanism acts directly between the crank and a drive spindle that supports the crank and transmits power from the crank to the spool such that slippage and relative movement may occur between the crank and the drive spindle.
A01K 89/01907
{between drive shaft and gear}

Definition statement

This place covers:
Subject matter wherein the adjustable drive element of the drive mechanism acts directly between a
shaft of the drive mechanism and a gear on the shaft at a point spaced from the spool.

A01K 89/01908
{Coaxial with spool}

Definition statement

This place covers:
Subject matter wherein the adjustable drive element rotates coaxially with the spool.

A01K 89/01909
{Axially applied}

Definition statement

This place covers:
Subject matter having an actuator for shifting the adjustable drive element axially along the axis of
rotation of the spool.

A01K 89/0191
{by centre pin}

Definition statement

This place covers:
Subject matter wherein the actuator includes a shaft or pin-like element coaxial with the spool that
operates to draw the spool toward the drive device to increase the torque transmittable between the
drive device and spool.

A01K 89/01911
{with feed roller}

Definition statement

This place covers:
Subject matter wherein the drive mechanism includes at least one roller driven by the drive device and
engaging the fishing line to feed the line to the spool.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Details of a feeding element</th>
<th>B65H 20/02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Haulage device that may include a line feeder</td>
<td>B66D 3/006</td>
</tr>
</tbody>
</table>
A01K 89/01912
(with level winding)

Definition statement
This place covers:
Subject matter wherein the drive mechanism includes a distributing mechanism for systematically
distributing the fishing line along the length of the spool.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Fishing reel with pick-up having a level winding mechanism | A01K 89/0114 |
| Device for distributing elongated material on a spool or core | B65H 54/02 |

A01K 89/019125
(Line shifts along a rotatable cam bar)

Definition statement
This place covers:
Subject matter wherein the distributing mechanism includes a rotatable bar substantially parallel to the
axis of the spool and wherein the bar has an undulatory, generally spiral surface that engages the line
being wound to distribute the line evenly onto the spool.

A01K 89/01913
(Line traction guide wheels)

Definition statement
This place covers:
Subject matter wherein the distributing mechanism includes a wheel mounted on a shaft, engaged by
the line being wound, and limiting lateral motion of the line relative to the wheel to guide the line, the
wheel being driven by contact with the line, the wheel and shaft including structure to convert rotation
of the wheel to a back and forth movement of the wheel substantially parallel to the spool.

A01K 89/01914
(Manually shifted guides)

Definition statement
This place covers:
Subject matter wherein the distributing mechanism includes a portion specifically contoured for direct
engagement by the user for shifting a line guide along the length of the spool to evenly distribute the
line.
A01K 89/01915
{the drive mechanism oscillating the guide}

Definition statement
This place covers:
Subject matter wherein the distributing mechanism includes a pivotally mounted line guide and a linkage connected to the drive mechanism to shift the guide in opposite directions along a curved path.

A01K 89/01916
{the drive mechanism reciprocating the guide}

Definition statement
This place covers:
Subject matter wherein the distributing mechanism includes a line guide and a linkage connected to the drive mechanism to shift the guide in opposite directions along a substantially linear path parallel to the spool.

The linear path may include proportionately small curves, e.g., the path may be an elliptical path with an extremely long major axis and a short minor axis or it may be the path of a point traveling with an elongated chain trained over a pair of small sprockets.

A01K 89/01917
{Reversely threaded screw}

Definition statement
This place covers:
Subject matter wherein the drive mechanism linkage includes at least one shaft and right and left hand helical grooves merged together at each end to receive a follower connected to the guide so that rotation of the shaft by the drive mechanism imparts reciprocating motion to the guide.

A01K 89/01918
{Guide shiftable between wind and unwind positions}

Definition statement
This place covers:
Subject matter wherein the line guide is shiftable with respect to the linear path of reciprocation, to reduce or eliminate contact between the guide and line during unwinding.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Fishing reels having guiding members shiftable between winding and unwind positions | A01K 89/01029, A01K 89/01082, A01K 89/01086, A01K 89/01087, A01K 89/0176, A01K 89/01918 |
A01K 89/01919
{Guide having line removal opening}

Definition statement

This place covers:
Subject matter wherein the reciprocated line guide has a passage through which the line is laterally removable.

A01K 89/0192
{Frame details}

Definition statement

This place covers:
Subject matter including details of the frame of the reel.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

- Details of the frame of a fishing reel with pick-up

A01K 89/01921

{Frame disassembly features}

Definition statement

This place covers:
Subject matter wherein the frame is provided with at least one of: (a) quick release fastening means, (b) special disassembly access to parts, and (c) special support of parts during disassembly that facilitate reassembly.

A frame connected by a series of usual threaded fasteners is not sufficient to warrant classification in this subgroup. However, more than two frame components retained by a single threaded end cap, e.g., would be considered quick release fastening means and would be sufficient.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

- Frame disassembly features of a fishing reel with pick-up
A01K 89/01922
{Hinged frame sections}

Definition statement
This place covers:
Subject matter wherein the reel frame includes major frame components connected together by a pivotal connection.

A01K 89/01923
{Rotated joints}

Definition statement
This place covers:
Subject matter wherein the reel frame supports a spool between a pair of end plates, at least one of which is connected to the frame by a joint (e.g. bayonet or keyhole) that is releasable upon rotation of the end plate about its axis.

A01K 89/01924
{Threaded}

Definition statement
This place covers:
Subject matter wherein the joint includes a spiral thread-like coupling.

A01K 89/01925
{Reel supports, e.g. reel feet}

Definition statement
This place covers:
Subject matter wherein the frame includes a bracket for mounting the reel on a fishing rod.

A01K 89/01928
{with line or water shields}

Definition statement
This place covers:
Subject matter wherein the frame includes a gasket-like obstruction, seal, or structure providing a tortuous course to block the intrusion of foreign matter (e.g., water, dirt, or grit) into the interior of the reel.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Line or water shield in a fishing reel with pick-up | A01K 89/011221 |
A01K 89/01929
{with lubrication features}

**Definition statement**

*This place covers:*
Subject matter wherein the frame includes a device for facilitating the application of lubricant to a movable part of the reel.

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Lubrication feature of a fishing reel with pick-up | A01K 89/011222 |

A01K 89/0193
{with bearing features}

**Definition statement**

*This place covers:*
Subject matter wherein including details of a bearing between the frame and a movable element of the reel.

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

**Definition statement**

*This place covers:*
Subject matter including details of the spool.

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Spool, per se | B65H 75/14 |
A01K 89/02
Brake devices for reels

Definition statement

This place covers:
Subject matter having a device (i.e., brake) for retarding or selectively preventing rotation of a reel part, e.g., the spool.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brake in other winding devices</td>
<td>B65H 59/04</td>
</tr>
<tr>
<td>Brake in a general use reel</td>
<td>B65H 75/4442</td>
</tr>
<tr>
<td>Brake in a haulage device, e.g. winch</td>
<td>B66D 1/14</td>
</tr>
<tr>
<td>Brake in general use</td>
<td>F16D 65/22</td>
</tr>
<tr>
<td>Brakes in a general purpose reel</td>
<td>H02G 11/02</td>
</tr>
</tbody>
</table>

A01K 89/027

with pick-up {}, i.e. for reels with the guiding member rotating and the spool not rotating during normal retrieval of the line

Definition statement

This place covers:
Subject matter wherein the reel includes a rotatably driven guiding member and a drive device (e.g., hand crank or motor) for rotating the guiding member, the fishing line engaging the guiding member and the guiding member rotating around the spool so as to wrap the line on spool while the spool is held against rotation relative to the frame of the reel. The spool may move in other ways, e.g., it reciprocates along an axis of rotation of the guiding member to distribute the fishing line along the spool. The reel part whose rotation is retarded or prevented by the device for retarding may be the guiding member or drive device.
**A01K 89/0275**

*{with closed face}*

**Definition statement**

_This place covers:_

Subject matter wherein the frame of the reel includes a cover substantially enclosing the spool.

Illustrative example of subject matter classified in this group.

---

**A01K 89/028**

*{Continuously applied (for closed face reels A01K 89/0275)}*

**Definition statement**

_This place covers:_

Subject matter wherein the brake is continuously applied to prevent rotation of the reel part below a predetermined torque.

**References**

*Limiting references*

_This place does not cover:_

<table>
<thead>
<tr>
<th>For closed face reels</th>
<th>A01K 89/0275</th>
</tr>
</thead>
</table>

**A01K 89/029**

*{between spool shaft and frame}*

**Definition statement**

_This place covers:_

Subject matter wherein the brake is continuously applied between a rotatable spindle supporting the spool and the frame.
A01K 89/03
{between spool and spool shaft}

Definition statement
This place covers:
Subject matter wherein the brake is applied between the spool and a nonrotatable spindle on which the spool is carried.

A01K 89/033
with {a} rotary drum {, i.e. for reels with a rotating spool (antibacklash devices A01K 89/0155)}

Definition statement
This place covers:
Subject matter wherein the drive device rotates the spool to wind the fishing line thereon.

Illustrative example of subject matter classified in this group.

References
Limiting references
This place does not cover:

| Antibacklash devices | A01K 89/0155 |

A01K 89/045
{Spool bearing brake}

Definition statement
This place covers:
Subject matter wherein the brake applies a relatively light retarding force to a bearing that supports the spool or to the end of a spool shaft to dampen rotation of the spool. The inherent retarding effect of a typical thrust bearing is disregarded.
References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Bearing used in various fields | F16C 33/00 |
| General purpose brake adjustment device | F16D 65/22 |

A01K 89/046
{Manual pressure control}

Definition statement
This place covers:
Subject matter wherein either (a) the brake includes a manually engageable actuator to selectively apply a retarding force to the spool that is in proportion to the manual force applied to the actuator, or (b) special access is provided for the user's thumb or finger to directly apply a retarding force to the spool.

A01K 89/047
{Radially applied}

Definition statement
This place covers:
Subject matter wherein the brake is pressed against a rotatable element of the reel to apply a force thereto in a direction substantially perpendicular to the axis of rotation of the rotatable element in order to generate the retarding force. The rotatable element may be the spool.

A01K 89/048
{Rolling contact}

Definition statement
This place covers:
Subject matter wherein the brake has a rotatable shoe engageable with the rotatable element to apply the retarding force thereto. The rotatable element is the spool or an element rotatable with the spool.

A01K 89/049
{Separable attachments}

Definition statement
This place covers:
Subject matter wherein the brake is readily attachable to and removable from the reel without substantial structural modification of the reel.
A01K 89/05
{Brakes connected to the spool by one-way clutch}

Definition statement
This place covers:
Subject matter wherein the brake is connected to the spool through an overrunning clutch that acts to drivingly connect the spool to the brake only in the unwinding direction of the spool.

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

Definition statement
This place covers:
Subject matter wherein the brake is an elongated, pawl-like member, commonly called a clicker, and the reel part that is retarded or prevented from rotating thereby is a toothed sprocket or gear and wherein the reel includes a device to adjust the pressure with which the pawl-like member bears against the toothed sprocket or gear.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Clicker that produces braking incidental to providing an audible signal | A01K 89/0123, A01K 89/0179 |

A01K 89/052
{Positive}

Definition statement
This place covers:
Subject matter wherein the brake, in at least one position, prevents any rotation of the spool in the winding or unwinding direction.

A01K 89/053
{One-way}

Definition statement
This place covers:
Subject matter wherein the brake, in one position, prevents rotation in only one direction.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

<p>| Fishing reel with pick-up having a mechanism that allows rotation of a guiding member in only one direction | A01K 89/0117 |</p>
<table>
<thead>
<tr>
<th>A01K 89/053 (continued)</th>
<th>CPC - A01K - 2019.05</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Ratchet device</th>
<th>B25B 13/462</th>
</tr>
</thead>
<tbody>
<tr>
<td>General purpose, one-way brake</td>
<td>F16F 9/12</td>
</tr>
</tbody>
</table>

**A01K 89/054**

{with disabler}

**Definition statement**

*This place covers:*

Subject matter including an actuator to shift the brake to a non-operating position.

**A01K 89/055**

{Rotation responsive}

**Definition statement**

*This place covers:*

Subject matter wherein the actuator shifts the brake to the non-operating position in response to rotation of the drive device.

**A01K 89/056**

{Radially engaged}

**Definition statement**

*This place covers:*

Subject matter wherein the brake applies a force in a direction perpendicular to the axis of rotation of the spool in order to retard or prevent rotation of the reel part.

**A01K 89/057**

{Axially engaged}

**Definition statement**

*This place covers:*

Subject matter wherein the brake applies a force in a direction parallel to the axis of the spool in order to retard or prevent rotation of the reel part.

**A01K 89/058**

{Coaxial with spool}

**Definition statement**

*This place covers:*

Subject matter wherein the brake is applied along an axis of application which is also the axis of rotation of the spool.
**A01K 89/059**

(on adjustable lever)

**Definition statement**

*This place covers:*

Subject matter wherein the brake is mounted on a pivotally mounted lever.

**A01K 89/06**

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

**Definition statement**

*This place covers:*

Subject matter wherein the spool is movable relative to the frame between a casting (unwinding) position and a fishing position. The spool is in the fishing position during winding of the fishing line thereon.

**A01K 89/08**

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

**Definition statement**

*This place covers:*

Subject matter wherein the reel is configured to be used for fishing without being mounted on a fishing pole.

Illustrative example of subject matter classified in this group.
A01K 89/081

{Axial unwinding}

**Definition statement**

*This place covers:*

Subject matter wherein the line unwinds by spinning over a discharge end of the spool.

A01K 91/00

**Lines**

**Definition statement**

*This place covers:*

Illustrative example of subject matter classified in this group.

![Diagram of a spool with unwinding line](image)

A01K 91/02

**Devices for casting lines**

**Definition statement**

*This place covers:*

Projectiles for casting fishing lines, remote controlled boats, kites, casting aids.

![Diagram of remote-controlled boat](image)
A01K 91/02 (continued)

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Devices for laying ground-bait | A01K 97/02 |

A01K 91/03

Connecting devices (devices for fixing on or removing sinkers from lines A01K 95/02)

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

References

Limiting references

This place does not cover:

| Devices for fixing on or removing sinkers from lines | A01K 95/02 |

A01K 91/04

for connecting lines to hooks or lures

Definition statement

This place covers:

Knot tying devices.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Description</th>
<th>CPC Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rigid hand tools for non-rotary grinding, polishing, or stropping</td>
<td>B24D 15/02</td>
</tr>
<tr>
<td>Knot-tying devices in general</td>
<td>B65H 69/04</td>
</tr>
<tr>
<td>Other knotting</td>
<td>D04G 5/00</td>
</tr>
</tbody>
</table>

A01K 91/047

for connecting lines to lines

Definition statement

This place covers:
Illustrative example of subject matter classified in this group.

A01K 91/053

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

Definition statement

This place covers:
Illustrative example of subject matter classified in this group.
A01K 91/06
Apparatus on lines not otherwise provided for, e.g. automatic hookers

Definition statement
This place covers:
Fishing line stops, flashers, etc.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Floats                          | A01K 93/00 |

A01K 91/065
{Jiggling devices, i.e. devices for moving the lure}

Definition statement
This place covers:
Illustrative example of subject matter classified in this group.
A01K 91/08
Trolling devices

Definition statement
This place covers:
Outriggers, downriggers, etc.

A01K 91/10
for automatic hook setting

Definition statement
This place covers:
Illustrative example of subject matter classified in this group.
References

Limiting references

This place does not cover:

| Supports for rods with automatic hook setting | A01K 97/11 |

A01K 91/12

Fly lines

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

A01K 91/14

Leaders

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.
A01K 91/16

for fly fishing

Definition statement

This place covers:
Illustrative example of subject matter classified in this group.

A01K 91/18

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

Definition statement

This place covers:
Illustrative example of subject matter classified in this group.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Devices for holding bait on hooks</th>
<th>A01K 83/06</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation of bait</td>
<td>A01K 97/04</td>
</tr>
</tbody>
</table>
**A01K 91/20**

Line length or depth measuring devices

**Definition statement**

This place covers:

Illustrative example of subject matter classified in this group.

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Accessories for angling | A01K 97/00 |

**A01K 93/00**

Floats for angling, with or without signalling devices

**Definition statement**

This place covers:

Illustrative example of subject matter classified in this group.
**A01K 93/02**

with signalling devices

**Definition statement**

*This place covers:*

Float with strike signalling means or location signalling means.

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Signalling devices | A01K 97/12, A01K 97/125 |

**A01K 95/00**

Sinkers for angling (for trawling **A01K 75/06**)

**Definition statement**

*This place covers:*

Illustrative example of subject matter classified in this group.

**References**

**Limiting references**

*This place does not cover:*

| Sinkers for trawl nets | A01K 75/06 |
A01K 95/005
{Sinkers not containing lead}

Definition statement

This place covers:
Illustrative example of subject matter classified in this group.

A01K 95/02
Devices for fixing on or removing sinkers from lines

Definition statement

This place covers:
Illustrative example of subject matter classified in this group.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Connecting devices | A01K 91/03 |
| Connecting devices for connecting lines to hooks or lures | A01K 91/04 |
A01K 97/00

Accessories for angling (fish stringers A01K 65/00; landing-nets or landing-spoons for fishing A01K 77/00); fish finder G01S 15/96)

Definition statement

This place covers:
Illustrative example of subject matter classified in this group.

References

Limiting references

This place does not cover:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish stringers</td>
<td>A01K 65/00</td>
</tr>
<tr>
<td>Landing-nets, landing-spoons</td>
<td>A01K 77/00</td>
</tr>
<tr>
<td>Fish finders</td>
<td>G01S 15/96</td>
</tr>
</tbody>
</table>

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fishing training equipment</td>
<td>A63F 13/00</td>
</tr>
</tbody>
</table>
**A01K 97/01**

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

**Definition statement**

This place covers:

Illustrative example of subject matter classified in this group.

**References**

**Limiting references**

This place does not cover:

<table>
<thead>
<tr>
<th>Fishing, hunting huts or the like</th>
<th>E04H 15/001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special methods or apparatus for drilling</td>
<td>E21B 7/00</td>
</tr>
</tbody>
</table>

**A01K 97/02**

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

**Definition statement**

This place covers:

Attracting fish with ground-bait, light, sound, vibration emitted independently from a fishing lure or the fishing line.
**A01K 97/02 (continued)**

**References**

*Informative references*

Attention is drawn to the following places, which may be of interest for search:

| Apparatus on lines | A01K 91/06 |

**A01K 97/04**

Containers for bait; Preparation of bait

**Definition statement**

*This place covers:*

Illustrative example of subject matter classified in this group.

---

**A01K 97/045**

{Preparation of bait; Ingredients}

**Definition statement**

*This place covers:*

Illustrative example of subject matter classified in this group.
References

Limiting references

This place does not cover:

<table>
<thead>
<tr>
<th>Holding bait on hooks</th>
<th>A01K 83/06</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baiting trotlines</td>
<td>A01K 91/18</td>
</tr>
</tbody>
</table>

A01K 97/05

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

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

A01K 97/06

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

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Devices for drying fishing lines | A01K 97/16 |

A01K 97/08

Containers for rods

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Devices for storing rifles, guns or elongated objects such as fishing rods | A47B.81/005 |

A01K 97/10

Supports for rods

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.
**A01K 97/11**

with automatic hooking devices

**Definition statement**

*This place covers:*

Illustrative example of subject matter classified in this group.

![Diagram](image1.png)

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Apparatus on lines for automatic hook setting | A01K 91/10 |

**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})*

**Definition statement**

*This place covers:*

Illustrative example of subject matter classified in this group.

![Diagram](image2.png)
References

Limiting references

This place does not cover:

<table>
<thead>
<tr>
<th>Signalling devices on fishing lines</th>
<th>A01K 91/06</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signalling devices for floats</td>
<td>A01K 93/02</td>
</tr>
<tr>
<td>Signalling devices for ice-fishing</td>
<td>A01K 97/01</td>
</tr>
</tbody>
</table>

Informative references

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Signalling devices for supports</th>
<th>A01K 97/10</th>
</tr>
</thead>
</table>

A01K 97/125

{using electronic components}

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.
A01K 97/14

Gaffs

Definition statement

This place covers:
Illustrative example of subject matter classified in this group.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Gaff: a pole with a sharp hook at the distal end, used to spear and lift large fish out of the water.

A01K 97/16

Devices for drying fishing lines

Definition statement

This place covers:
Illustrative example of subject matter classified in this group.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Containers or holders for lines | A01K 91/06 |

A01K 97/18

for removing fish-hooks from the fish

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

A01K 97/20

Keepnets or other containers for keeping captured fish (A01K 97/05 takes precedence)

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

References

Limiting references

This place does not cover:

| Fish-stringers | A01K 65/00 |
| Containers for live bait kept in water | A01K 97/05 |
Informative references

Attention is drawn to the following places, which may be of interest for search:

| Receptacles specially adapted for transporting live fish | A01K 63/02 |

A01K 97/22

Platforms or seat-boxes specially adapted for angling, e.g. tackle boxes for use as seats

Definition statement

This place covers:
Illustrative example of subject matter classified in this group.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Hand carts for fishing articles | B62B 2202/402 |
**A01K 97/24**

Arrangements for disengaging fish-hooks from obstacles

**Definition statement**

*This place covers:*

Illustrative example of subject matter classified in this group.

**A01K 97/26**

Fly tying devices

**Definition statement**

*This place covers:*

Illustrative example of subject matter classified in this group.

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Knot tying devices | A01K 91/04 |
A01K 97/28

Vices specially adapted therefor

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Knot tying devices | A01K 91/04 |