

# CPC COOPERATIVE PATENT CLASSIFICATION

## A HUMAN NECESSITIES

### FOODSTUFFS; TOBACCO

#### A23 FOODS OR FOODSTUFFS; THEIR TREATMENT, NOT COVERED BY OTHER CLASSES

(NOTE omitted)

#### A23K FODDER

##### 10/00 Animal feeding-stuffs

10/10 . obtained by microbiological or biochemical processes (using chemicals or microorganisms for ensilaging of green fodder [A23K 30/15](#))

10/12 . . by fermentation of natural products, e.g. of vegetable material, animal waste material or biomass

10/14 . . Pretreatment of feeding-stuffs with enzymes

10/16 . . Addition of microorganisms or extracts thereof, e.g. single-cell proteins, to feeding-stuff compositions ([A23K 10/12](#) takes precedence)

10/18 . . . of live microorganisms

10/20 . from material of animal origin (obtained by microbiological or biochemical processes [A23K 10/10](#))

10/22 . . from fish

10/24 . . from blood

10/26 . . from waste material, e.g. feathers, bones or skin ([A23K 10/24](#) takes precedence)

10/28 . . . from waste dairy products

10/30 . from material of plant origin, e.g. roots, seeds or hay; from material of fungal origin, e.g. mushrooms (obtained by microbiological or biochemical processes, e.g. using yeasts or enzymes, [A23K 10/10](#))

10/32 . . from hydrolysates of wood or straw

10/33 . . from molasses

10/35 . . from potatoes

10/37 . . from waste material (from hydrolysates of wood or straw [A23K 10/32](#); from molasses [A23K 10/33](#))

10/38 . . . from distillers' or brewers' waste

10/40 . Mineral licks, e.g. salt blocks

##### WARNING

Group [A23K 10/40](#) is incomplete pending reclassification of documents from group [A23K 20/20](#).

Groups [A23K 10/40](#) and [A23K 20/20](#) should be considered in order to perform a complete search.

##### 20/00 Accessory food factors for animal feeding-stuffs

20/10 . Organic substances

20/105 . . Aliphatic or alicyclic compounds

##### NOTE

When classifying in groups [A23K 20/105](#) - [A23K 20/168](#),

classification is also made in groups [A23K 20/174](#) - [A23K 20/195](#) if the substance has a particular function.

- |        |  |
|--------|--|
| 20/111 | . . Aromatic compounds   |
| 20/116 | . . Heterocyclic compounds   |
| 20/121 | . . . containing oxygen or sulfur as hetero atom                     |
| 20/126 | . . . . Lactones   |
| 20/132 | . . . containing only one nitrogen as hetero atom                    |
| 20/137 | . . . containing two hetero atoms, of which at least one is nitrogen |
| 20/142 | . . Amino acids; Derivatives thereof                                 |
| 20/147 | . . . Polymeric derivatives, e.g. peptides or proteins               |
| 20/153 | . . Nucleic acids; Hydrolysis products or derivatives thereof        |
| 20/158 | . . Fatty acids; Fats; Products containing oils or fats              |
| 20/163 | . . Sugars; Polysaccharides  |
| 20/168 | . . Steroids   |

##### WARNING

Group [A23K 20/168](#) is impacted by reclassification into group [A23K 20/184](#).

Groups [A23K 20/168](#) and [A23K 20/184](#) should be considered in order to perform a complete search.

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|--------|--|
| 20/174 | . . Vitamins   |
| 20/179 | . . Colouring agents, e.g. pigmenting or dyeing agents |
| 20/184 | . . Hormones   |

##### WARNING

Group [A23K 20/184](#) is incomplete pending reclassification of documents from group [A23K 20/168](#).

Groups [A23K 20/184](#) and [A23K 20/168](#) should be considered in order to perform a complete search.

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|--------|-----------------|
| 20/189 | . . Enzymes     |
| 20/195 | . . Antibiotics |

- 20/20 . Inorganic substances, e.g. oligoelements
- WARNING**
- Group [A23K 20/20](#) is impacted by reclassification into group [A23K 10/40](#).
- Groups [A23K 20/20](#) and [A23K 10/40](#) should be considered in order to perform a complete search.
- 20/22 . . Compounds of alkali metals
- NOTE**
- In groups [A23K 20/22](#) - [A23K 20/28](#), the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place.
- 20/24 . . Compounds of alkaline earth metals, e.g. magnesium
- 20/26 . . Compounds containing phosphorus
- 20/28 . . Silicates, e.g. perlites, zeolites or bentonites
- 20/30 . . {Oligoelements}
- 30/00 Processes specially adapted for preservation of materials in order to produce animal feeding-stuffs**
- 30/10 . of green fodder
- 30/12 . . Dehydration
- 30/15 . . using chemicals or microorganisms for ensilaging
- 30/18 . . . using microorganisms or enzymes
- 30/20 . Dehydration (of green fodder [A23K 30/12](#))
- 40/00 Shaping or working-up of animal feeding-stuffs**
- 40/10 . by agglomeration; by granulation, e.g. making powders
- 40/20 . by moulding, e.g. making cakes or briquettes
- WARNING**
- Group [A23K 40/20](#) is impacted by reclassification into group [A23K 40/25](#).
- Groups [A23K 40/20](#) and [A23K 40/25](#) should be considered in order to perform a complete search.
- 40/25 . by extrusion
- WARNING**
- Group [A23K 40/25](#) is incomplete pending reclassification of documents from group [A23K 40/20](#).
- Groups [A23K 40/25](#) and [A23K 40/20](#) s should be considered in order to perform a complete search.
- 40/30 . by encapsulating; by coating
- 40/35 . . Making capsules specially adapted for ruminants
- 50/00 Feeding-stuffs specially adapted for particular animals**
- 50/10 . for ruminants
- 50/15 . . containing substances which are metabolically converted to proteins, e.g. ammonium salts or urea
- 50/20 . for horses
- 50/30 . for swines
- 50/40 . for carnivorous animals, e.g. cats or dogs
- 50/42 . . Dry feed
- 50/45 . . Semi-moist feed
- 50/48 . . Moist feed
- 50/50 . for rodents
- 50/60 . for weanlings
- NOTE**
- When classifying in group [A23K 50/60](#), classification is also made in groups [A23K 50/10](#) - [A23K 50/50](#) if the weanling is any of the animals covered by those groups.
- 50/70 . for birds
- 50/75 . . for poultry
- 50/80 . for aquatic animals, e.g. fish, crustaceans or molluscs
- 50/90 . for insects, e.g. bees or silkworms