

CPC**COOPERATIVE PATENT CLASSIFICATION****A23K****FODDER****A23K 10/00****Animal feeding-stuffs**

A23K 10/10

- obtained by microbiological or biochemical processes ([using chemicals or micro-organisms for ensilaging of green fodder A23K 30/15](#))

A23K 10/12

- by fermentation of natural products, e.g. of vegetable material, animal waste material or biomass

A23K 10/14

- Pretreatment of feeding-stuffs with enzymes

A23K 10/16

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

A23K 10/18

- of live micro-organisms

A23K 10/20

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

A23K 10/22

- from fish

A23K 10/24

- from blood

A23K 10/26

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

A23K 10/28

- from waste dairy products

A23K 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](#))

A23K 10/32

- from hydrolysates of wood or straw

A23K 10/33

- from molasses

A23K 10/35

- from potatoes

A23K 10/37

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

A23K 10/38

- from distillers' or brewers' waste

A23K 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.

A23K 20/00**Accessory food factors for animal feeding-stuffs**

A23K 20/10

- Organic substances

A23K 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.

- A23K 20/111 . . Aromatic compounds
- A23K 20/116 . . Heterocyclic compounds
- A23K 20/121 . . . containing oxygen or sulfur as hetero atom
- A23K 20/126 Lactones
- A23K 20/132 . . . containing only one nitrogen as hetero atom
- A23K 20/137 . . . containing two hetero atoms, of which at least one is nitrogen
- A23K 20/142 . . Amino acids; Derivatives thereof
- A23K 20/147 . . . Polymeric derivatives, e.g. peptides or proteins
- A23K 20/153 . . Nucleic acids; Hydrolysis products or derivatives thereof
- A23K 20/158 . . Fatty acids; Fats; Products containing oils or fats
- A23K 20/163 . . Sugars; Polysaccharides
- A23K 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.

- A23K 20/174 . . Vitamins
- A23K 20/179 . . Colouring agents, e.g. pigmenting or dyeing agents
- A23K 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.

- A23K 20/189 . . Enzyme
- A23K 20/195 . . Antibiotics
- A23K 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.

- A23K 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.

- A23K 20/24 . . Compounds of alkaline earth metals, e.g. magnesium
- A23K 20/26 . . Compounds containing phosphorus
- A23K 20/28 . . Silicates, e.g. perlites, zeolites or bentonites

A23K 20/30

- . . {Oligoelements}

A23K 30/00**Processes specially adapted for preservation of materials in order to produce animal feeding-stuffs**

A23K 30/10

- . of green fodder

A23K 30/12

- . . Dehydration

A23K 30/15

- . . using chemicals or micro-organisms for ensilaging

A23K 30/18

- . . . using micro-organisms or enzymes

A23K 30/20

- . Dehydration (of green fodder [A23K 30/12](#))

A23K 40/00**Shaping or working-up of animal feeding-stuffs**

A23K 40/10

- . by agglomeration; by granulation, e.g. making powders

A23K 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.

A23K 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.

A23K 40/30

- . by encapsulating; by coating

A23K 40/35

- . . Making capsules specially adapted for ruminants

A23K 50/00**Feeding-stuffs specially adapted for particular animals**

A23K 50/10

- . for ruminants

A23K 50/15

- . . containing substances which are metabolically converted to proteins, e.g. ammonium salts or urea

A23K 50/20

- . for horses

A23K 50/30

- . for swines

A23K 50/40

- . for carnivorous animals, e.g. cats or dogs

A23K 50/42

- . . Dry feed

A23K 50/45

- . . Semi-moist feed

A23K 50/48

- . . Moist feed

A23K 50/50

- . for rodents

A23K 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.

- A23K 50/70
 - for birds
- A23K 50/75
 - • for poultry
- A23K 50/80
 - for aquatic animals, e.g. fish, crustaceans or molluscs
- A23K 50/90
 - for insects, e.g. bees or silkworms