**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 ensiling 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**.

**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.

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 20/184** 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.

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.

20/189 . . . . Enzymes

20/195 . . . . Antibiotics
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.

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.

Compounds of alkaline earth metals, e.g. magnesium

Compounds containing phosphorus

Silicates, e.g. perlites, zeolites or bentonites

{Oligoelements}

Processes specially adapted for preservation of materials in order to produce animal feeding-stuffs

- of green fodder
- Dehydration
- using chemicals or microorganisms for ensilaging
- using microorganisms or enzymes
- Dehydration (of green fodder [A23K 30/12](#))

Shaping or working-up of animal feeding-stuffs

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

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](#) should be considered in order to perform a complete search.

- by encapsulating; by coating
- Making capsules specially adapted for ruminants

Feeding-stuffs specially adapted for particular animals

- for ruminants
- containing substances which are metabolically converted to proteins, e.g. ammonium salts or urea
- for horses
- for swines
- for carnivorous animals, e.g. cats or dogs
- for weanlings
- Semi-moist feed
- Moist feed
- for rodents
- 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.

- for birds
- for poultry
- for aquatic animals, e.g. fish, crustaceans or molluscs
- for insects, e.g. bees or silkworms

- for rodents
- for weanlings

- for swines
- for carnivorous animals, e.g. cats or dogs
- Dry feed