CPC  COOPERATIVE PATENT CLASSIFICATION

A  HUMAN NECESSITIES

FOODSTUFFS; TOBACCO

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

A23K  FODDER

10/00  Animal feeding-stuffs
10/10 . . obtained by microbiological or biochemical processes (using chemicals or microorganisms for ensilageing 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.

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.

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
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 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

50/70 . 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

50/70 . 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

50/70 . 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

50/70 . 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

50/70 . 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.