

# 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.

- 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](#) 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