

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

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|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20/20 | <ul style="list-style-type: none"> Inorganic substances, e.g. oligoelements <p>WARNING</p> <p>Group A23K 20/20 is impacted by reclassification into group A23K 10/40.</p> <p>Groups A23K 20/20 and A23K 10/40 should be considered in order to perform a complete search.</p> | 50/45 | <ul style="list-style-type: none"> Semi-moist feed |
| | | 50/48 | <ul style="list-style-type: none"> Moist feed |
| | | 50/50 | <ul style="list-style-type: none"> for rodents |
| | | 50/60 | <ul style="list-style-type: none"> for weanlings <p>NOTE</p> <p>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.</p> |
| 20/22 | <ul style="list-style-type: none"> Compounds of alkali metals <p>NOTE</p> <p>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.</p> | 50/70 | <ul style="list-style-type: none"> for birds |
| | | 50/75 | <ul style="list-style-type: none"> for poultry |
| | | 50/80 | <ul style="list-style-type: none"> for aquatic animals, e.g. fish, crustaceans or molluscs |
| | | 50/90 | <ul style="list-style-type: none"> for insects, e.g. bees or silkworms |
| 20/24 | <ul style="list-style-type: none"> Compounds of alkaline earth metals, e.g. magnesium | | |
| 20/26 | <ul style="list-style-type: none"> Compounds containing phosphorus | | |
| 20/28 | <ul style="list-style-type: none"> Silicates, e.g. perlites, zeolites or bentonites | | |
| 20/30 | <ul style="list-style-type: none"> {Oligoelements} | | |
| 30/00 | Processes specially adapted for preservation of materials in order to produce animal feeding-stuffs | | |
| 30/10 | <ul style="list-style-type: none"> of green fodder | | |
| 30/12 | <ul style="list-style-type: none"> Dehydration | | |
| 30/15 | <ul style="list-style-type: none"> using chemicals or microorganisms for ensilaging | | |
| 30/18 | <ul style="list-style-type: none"> using microorganisms or enzymes | | |
| 30/20 | <ul style="list-style-type: none"> Dehydration (of green fodder A23K 30/12) | | |
| 40/00 | Shaping or working-up of animal feeding-stuffs | | |
| 40/10 | <ul style="list-style-type: none"> by agglomeration; by granulation, e.g. making powders | | |
| 40/20 | <ul style="list-style-type: none"> by moulding, e.g. making cakes or briquettes <p>WARNING</p> <p>Group A23K 40/20 is impacted by reclassification into group A23K 40/25.</p> <p>Groups A23K 40/20 and A23K 40/25 should be considered in order to perform a complete search.</p> | | |
| 40/25 | <ul style="list-style-type: none"> by extrusion <p>WARNING</p> <p>Group A23K 40/25 is incomplete pending reclassification of documents from group A23K 40/20.</p> <p>Groups A23K 40/25 and A23K 40/20 s should be considered in order to perform a complete search.</p> | | |
| 40/30 | <ul style="list-style-type: none"> by encapsulating; by coating | | |
| 40/35 | <ul style="list-style-type: none"> Making capsules specially adapted for ruminants | | |
| 50/00 | Feeding-stuffs specially adapted for particular animals | | |
| 50/10 | <ul style="list-style-type: none"> for ruminants | | |
| 50/15 | <ul style="list-style-type: none"> containing substances which are metabolically converted to proteins, e.g. ammonium salts or urea | | |
| 50/20 | <ul style="list-style-type: none"> for horses | | |
| 50/30 | <ul style="list-style-type: none"> for swines | | |
| 50/40 | <ul style="list-style-type: none"> for carnivorous animals, e.g. cats or dogs | | |
| 50/42 | <ul style="list-style-type: none"> Dry feed | | |