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 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.
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 \}

**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

**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