

# CPC COOPERATIVE PATENT CLASSIFICATION

## A HUMAN NECESSITIES

### FOODSTUFFS; TOBACCO

#### A23 FOODS OR FOODSTUFFS; TREATMENT THEREOF, 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	<ul style="list-style-type: none"> <li>Inorganic substances, e.g. oligoelements</li> </ul> <p><b>WARNING</b></p> <p>Group <a href="#">A23K 20/20</a> is impacted by reclassification into group <a href="#">A23K 10/40</a>.</p> <p>Groups <a href="#">A23K 20/20</a> and <a href="#">A23K 10/40</a> should be considered in order to perform a complete search.</p>	50/45	<ul style="list-style-type: none"> <li>Semi-moist feed</li> </ul>
		50/48	<ul style="list-style-type: none"> <li>Moist feed</li> </ul>
		50/50	<ul style="list-style-type: none"> <li>for rodents</li> </ul>
		50/60	<ul style="list-style-type: none"> <li>for weanlings</li> </ul> <p><b>NOTE</b></p> <p>When classifying in group <a href="#">A23K 50/60</a>, classification is also made in groups <a href="#">A23K 50/10</a> - <a href="#">A23K 50/50</a> if the weanling is any of the animals covered by those groups.</p>
20/22	<ul style="list-style-type: none"> <li>Compounds of alkali metals</li> </ul> <p><b>NOTE</b></p> <p>In groups <a href="#">A23K 20/22</a> - <a href="#">A23K 20/28</a>, 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"> <li>for birds</li> </ul>
		50/75	<ul style="list-style-type: none"> <li>for poultry</li> </ul>
		50/80	<ul style="list-style-type: none"> <li>for aquatic animals, e.g. fish, crustaceans or molluscs</li> </ul>
		50/90	<ul style="list-style-type: none"> <li>for insects, e.g. bees or silkworms</li> </ul>
20/24	<ul style="list-style-type: none"> <li>Compounds of alkaline earth metals, e.g. magnesium</li> </ul>		
20/26	<ul style="list-style-type: none"> <li>Compounds containing phosphorus</li> </ul>		
20/28	<ul style="list-style-type: none"> <li>Silicates, e.g. perlites, zeolites or bentonites</li> </ul>		
20/30	<ul style="list-style-type: none"> <li>{Oligoelements}</li> </ul>		
<b>30/00</b>	<b>Processes specially adapted for preservation of materials in order to produce animal feeding-stuffs</b>		
30/10	<ul style="list-style-type: none"> <li>of green fodder</li> </ul>		
30/12	<ul style="list-style-type: none"> <li>Dehydration</li> </ul>		
30/15	<ul style="list-style-type: none"> <li>using chemicals or microorganisms for ensilaging</li> </ul>		
30/18	<ul style="list-style-type: none"> <li>using microorganisms or enzymes</li> </ul>		
30/20	<ul style="list-style-type: none"> <li>Dehydration (of green fodder <a href="#">A23K 30/12</a>)</li> </ul>		
<b>40/00</b>	<b>Shaping or working-up of animal feeding-stuffs</b>		
40/10	<ul style="list-style-type: none"> <li>by agglomeration; by granulation, e.g. making powders</li> </ul>		
40/20	<ul style="list-style-type: none"> <li>by moulding, e.g. making cakes or briquettes</li> </ul> <p><b>WARNING</b></p> <p>Group <a href="#">A23K 40/20</a> is impacted by reclassification into group <a href="#">A23K 40/25</a>.</p> <p>Groups <a href="#">A23K 40/20</a> and <a href="#">A23K 40/25</a> should be considered in order to perform a complete search.</p>		
40/25	<ul style="list-style-type: none"> <li>by extrusion</li> </ul> <p><b>WARNING</b></p> <p>Group <a href="#">A23K 40/25</a> is incomplete pending reclassification of documents from group <a href="#">A23K 40/20</a>.</p> <p>Groups <a href="#">A23K 40/25</a> and <a href="#">A23K 40/20</a> s should be considered in order to perform a complete search.</p>		
40/30	<ul style="list-style-type: none"> <li>by encapsulating; by coating</li> </ul>		
40/35	<ul style="list-style-type: none"> <li>Making capsules specially adapted for ruminants</li> </ul>		
<b>50/00</b>	<b>Feeding-stuffs specially adapted for particular animals</b>		
50/10	<ul style="list-style-type: none"> <li>for ruminants</li> </ul>		
50/15	<ul style="list-style-type: none"> <li>containing substances which are metabolically converted to proteins, e.g. ammonium salts or urea</li> </ul>		
50/20	<ul style="list-style-type: none"> <li>for horses</li> </ul>		
50/30	<ul style="list-style-type: none"> <li>for swines</li> </ul>		
50/40	<ul style="list-style-type: none"> <li>for carnivorous animals, e.g. cats or dogs</li> </ul>		
50/42	<ul style="list-style-type: none"> <li>Dry feed</li> </ul>		