

# CPC COOPERATIVE PATENT CLASSIFICATION

## A HUMAN NECESSITIES

### FOODSTUFFS; TOBACCO

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

(NOTE omitted)

#### A23V INDEXING SCHEME RELATING TO FOODS, FOODSTUFFS OR NON-ALCOHOLIC BEVERAGES AND LACTIC OR PROPIONIC ACID BACTERIA USED IN FOODSTUFFS OR FOOD PREPARATION

##### NOTE

In this subclass, combination sets (C-Sets) are used. Detailed information about C-Sets construction and the associated syntax rules can be found in the definitions of [A23V](#).

##### 2200/00 Food compositions, function of food ingredients or processes for food or foodstuffs

##### NOTE

In this group, C-Sets are used. Detailed information about C-Sets construction and the associated syntax rules can be found in the definitions of [A23V](#).

##### 2200/00 Function of food ingredients

##### NOTE

In this group, C-Sets are used. Detailed information about C-Sets construction and the associated syntax rules can be found in the definitions of [A23V](#).

2200/02 . Antioxidant

2200/03 . Antigenicity

2200/04 . Colour

2200/042 . . Browning

2200/044 . . Colouring

2200/046 . . Discolouring, bleaching

2200/048 . . Preventing colour changes

2200/06 . pH modification agent

2200/08 . Food product presented as a kit of parts

2200/09 . Food product presented as a toy or amusement

2200/10 . Preserving against microbes

2200/12 . Replacer

2200/122 . . Egg replacer

2200/124 . . Fat replacer

2200/126 . . Flour replacer

2200/128 . . Gelatin replacer

2200/13 . . Protein replacer

2200/132 . . Sugar replacer

2200/14 . Mouthfeel improving agent

2200/15 . Flavour affecting agent

2200/16 . Taste affecting agent

2200/18 . Water activity affecting agent

2200/20 . Ingredients acting on or related to the structure

2200/202 . . Agglomerating agent

2200/204 . . Anti-foaming agent

2200/206 . . Anti-freezing agent

2200/208 . . Anticaking agent

2200/209 . . Barrier agent, e.g. layer

2200/21 . . Binding agent

2200/212 . . Buffering agent

2200/214 . . Chelating agent

2200/216 . . Clouding agent

2200/218 . . Coagulant

2200/22 . . Coating agent

2200/221 . . Cooling agent

2200/222 . . Emulsifier

2200/224 . . Encapsulating agent

2200/226 . . Foaming agent

2200/228 . . Gelling agent

2200/23 . . Humectant

2200/232 . . Melting agents

2200/234 . . Raising agent

2200/236 . . Solidifying agent

2200/238 . . Solubility improving agent

2200/24 . . Tenderizing

2200/242 . . Thickening agent

2200/244 . . Viscosity modification agent

2200/246 . . Whipping agent

2200/25 . . Nanoparticles, nanostructures

2200/254 . . Particle size distribution

2200/26 . Food, ingredients or supplements targeted to meet non-medical requirements, e.g. environmental, religious

2200/262 . . All vegetarian ingredients, i.e. meat-free

2200/264 . . All vegan ingredients, i.e. all animal product free

2200/266 . . All religious conform ingredients

2200/27 . . Low carbon footprint ingredients

2200/30 . Foods, ingredients or supplements having a functional effect on health

2200/302 . . having a modulating effect on age

2200/304 . . having a modulation effect on allergy and risk of allergy

2200/306 . . having an effect on bone mass, e.g. osteoporosis prevention

2200/308 . . having an effect on cancer prevention

2200/31	. . having an effect on comfort perception and well-being	2250/0622	. . . Glycine
2200/312	. . having an effect on dental health	2250/0624	. . . Histidine
2200/314	. . having an effect on lung or respiratory system	2250/0626	. . . Isoleucine
2200/316	. . having an effect on regeneration or building of ligaments or muscles	2250/0628	. . . Leucine
2200/318	. . having an effect on skin health and hair or coat	2250/063	. . . Lysine
2200/32	. . having an effect on the health of the digestive tract	2250/0632	. . . Methionine
2200/3202	. . . Prebiotics, ingredients fermented in the gastrointestinal tract by beneficial microflora	2250/0634	. . . N-Acetyl-Cysteine
2200/3204	. . . Probiotics, living bacteria to be ingested for action in the digestive tract	2250/0636	. . . Ornithine
2200/322	. . having an effect on the health of the nervous system or on mental function	2250/0638	. . . Phenylalanine
2200/324	. . having an effect on the immune system	2250/064	. . . Proline
2200/326	. . having effect on cardiovascular health	2250/0642	. . . Serine
2200/3262	. . having an effect on blood cholesterol	2250/0644	. . . Taurine
2200/328	. . having effect on glycaemic control and diabetes	2250/0646	. . . Theanine
2200/33	. . High-energy foods and drinks, sports drinks	2250/0648	. . . Threonine
2200/332	. . Promoters of weight control and weight loss	2250/065	. . . Tryptophan
2200/3322	. . . Low carb - reduced carbohydrate content	2250/0652	. . . Tyrosine
2200/3324	. . . Low fat - reduced fat content	2250/0654	. . . Valine
2200/334	. . treating the effects of consuming alcohol, narcotics or other addictive behavior, e.g. treating hangover or reducing blood alcohol levels	2250/08	. Alcohol
<b>2250/00</b>	<b>Food ingredients</b>	2250/082	. . Ethanol
	<b>NOTE</b>	2250/084	. . Methanol
	In this group, C-Sets are used. Detailed information about C-Sets construction and the associated syntax rules can be found in the definitions of <a href="#">A23V</a> .	2250/086	. . Propanol
2250/02	. Acid	2250/10	. Gas
2250/022	. . Acetic acid	2250/101	. . Air
2250/026	. . Alpha lipoic acid, thiocetic acid	2250/106	. . Ammonia
2250/028	. . Chlorogenic acid	2250/108	. . Butane
2250/03	. . Cholic acid	2250/11	. . Carbon dioxide
2250/032	. . Citric acid	2250/112	. . Carbon monoxide
2250/034	. . Formic acid	2250/114	. . Ethane
2250/036	. . Fumaric acid	2250/116	. . Ethylene
2250/038	. . Gamma-amino butyric acid	2250/118	. . Helium
2250/04	. . Gluconic acid	2250/12	. . Hydrogen
2250/042	. . Lactic acid	2250/122	. . Methane
2250/044	. . Malic acid	2250/124	. . Nitrogen
2250/046	. . Phosphoric acid	2250/126	. . Oxygen
2250/05	. . Propionic acid	2250/128	. . Ozone
2250/052	. . Pyruvic acid	2250/13	. . Propane
2250/054	. . Sorbic acid	2250/132	. . Sulphur dioxide
2250/056	. . Tartaric acid	2250/134	. . Supercritical gas
2250/06	. . Amino acid	2250/15	. Inorganic Compounds
2250/0602	. . . 5-Hydroxytryptophan	2250/152	. . Hydrogen peroxide
2250/0604	. . . Alanine	2250/154	. . Water
2250/0606	. . . Arginine	2250/156	. . Mineral combination ( <a href="#">undefined extract A23V 2250/1638</a> )
2250/0608	. . . Asparagine	2250/1562	. . . Silver
2250/061	. . . Aspartic acid	2250/1564	. . . Aluminium
2250/0612	. . . Carnitine	2250/1566	. . . Arsenic
2250/0614	. . . Citrulline	2250/1568	. . . Gold
2250/0616	. . . Cysteine	2250/157	. . . Beryllium
2250/0618	. . . Glutamic acid	2250/1572	. . . Boron
2250/062	. . . Glutamine	2250/1574	. . . Bromine
		2250/1576	. . . Carbon
		2250/1578	. . . Calcium
		2250/158	. . . Cadmium
		2250/1582	. . . Chlorine
		2250/1584	. . . Cobalt
		2250/1586	. . . Chromium
		2250/1588	. . . Copper
		2250/159	. . . Fluorine
		2250/1592	. . . Iron
		2250/1594	. . . Francium
		2250/1596	. . . Gallium

2250/1598	. . .	Iodine	2250/21	. .	Plant extracts
2250/16	. . .	Potassium	2250/2102	. . .	Aloe
2250/1602	. . .	Lanthanides	2250/2104	. . .	Anthocyanins
2250/1604	. . .	Lithium	2250/2106	. . .	Bilberries, blueberries
2250/1608	. . .	Molybdenum	2250/2108	. . .	Caffeine, coffee extract
2250/161	. . .	Magnesium	2250/211	. . .	Carotene, carotenoids
2250/1612	. . .	Manganese	2250/2112	. . .	Curcumin, turmeric
2250/1614	. . .	Sodium	2250/2114	. . .	Echinacea
2250/1616	. . .	Nickel	2250/2116	. . .	Flavonoids, isoflavones
2250/1618	. . .	Phosphorus	2250/21162	. . . .	Citrus flavonoids
2250/162	. . .	Palladium	2250/21164	. . . .	Hesperidin
2250/1622	. . .	Platinum	2250/21166	. . . .	Proanthocyanidins, grape seed extracts
2250/1624	. . .	Sulphur	2250/21168	. . . .	Quercetin
2250/1626	. . .	Selenium	2250/2117	. . . .	Rutin
2250/1628	. . .	Silicium	2250/21172	. . . .	Soy Isoflavones, daidzein, genistein
2250/163	. . .	Tin	2250/2118	. . .	Garcinia cambogia, hydroxycitric acid
2250/1632	. . .	Strontium	2250/212	. . .	Garlic
2250/1634	. . .	Titanium	2250/2122	. . .	Ginkgo Biloba
2250/1636	. . .	Vanadium	2250/2124	. . .	Ginseng
2250/1638	. . .	Undefined mineral extract	2250/2126	. . .	Guarana
2250/164	. . .	Yttrium	2250/2128	. . .	Kava
2250/1642	. . .	Zinc	2250/213	. . .	Lycopene
2250/1644	. . .	Milk minerals	2250/2131	. . .	Olive
2250/18	.	Lipids	2250/2132	. . .	Other phenolic compounds, polyphenols
2250/182	. .	Diglycerides	2250/2134	. . .	Phytic acid, phytate, IP-6 (ACID)
2250/184	. .	Emulsifier ( <a href="#">emulsifier as function A23V 2200/222</a> )	2250/2136	. . .	Phytosterols, phytostanols
2250/1842	. . .	Lecithin	2250/21362	. . . .	Campestanol
2250/1844	. . .	Phosphatidic Acid	2250/21364	. . . .	Campesterol
2250/1846	. . .	Phosphatidyl Choline	2250/21366	. . . .	Phytostanol
2250/1848	. . .	Phosphatidyl Ethanolamine	2250/21368	. . . .	Phytosterols
2250/185	. . .	Phosphatidyl Inositol	2250/2137	. . . .	Sitostanol
2250/1852	. . .	Phosphatidyl Serine	2250/21372	. . . .	Sitosterol
2250/186	. .	Fatty acids	2250/21374	. . . .	Stigmastanol
2250/1862	. . .	Arachidonic acid	2250/21376	. . . .	Stigmasterol
2250/1864	. . .	Behenic acid	2250/2138	. . .	St Johns Wort
2250/1866	. . .	Conjugated Linoleic acid	2250/214	. . .	Tea
2250/1868	. . .	Docosahexaenoic acid	2250/218	. .	Yeast extracts ( <a href="#">yeast A23V 2250/76</a> )
2250/187	. . .	Eicosapentaenoic acid	2250/24	.	Non-sugar sweeteners
2250/1872	. . .	Linoleic acid	2250/242	. .	Acesulfame K, acetylsulfame
2250/1874	. . .	Linolenic acid	2250/244	. .	Alitame
2250/1876	. . .	Long-chain fatty acids	2250/246	. .	Cyclamate
2250/1878	. . .	Medium-chain fatty acids	2250/248	. .	Di-Peptides sweeteners
2250/188	. . .	Oleic acid	2250/2482	. . .	Aspartam
2250/1882	. . .	Polyunsaturated fatty acids	2250/2484	. . .	Neotame
2250/1884	. . .	Short-chain fatty acids	2250/25	. .	Dihydrochalcone
2250/1886	. . .	Stearic acid	2250/252	. .	Glycyrrhizin
2250/19	. .	Genetically modified oil	2250/254	. .	Luo Han Guo
2250/192	. .	Monoglycerides	2250/256	. .	Monellin
2250/194	. .	Triglycerides	2250/258	. .	Rebaudioside
2250/1942	. . .	Long-chain triglycerides	2250/26	. .	Saccharin
2250/1944	. . .	Medium-chain triglycerides	2250/262	. .	Stevioside
2250/1946	. . .	Short-chain triglycerides	2250/264	. .	Sucralose, halogenated sugar
2250/20	.	Natural extracts	2250/266	. .	Thaumatococ, talin
2250/202	. .	Algae extracts	2250/28	. .	Oligosaccharides
2250/204	. .	Animal extracts	2250/282	. .	Oligosaccharides, digestible
2250/2042	. . .	Marine animal, fish extracts ( <a href="#">algae A23V 2250/202</a> )	2250/284	. .	Oligosaccharides, non digestible
2250/2044	. . .	Egg yolk	2250/30	. .	Other Organic compounds
2250/206	. .	Bacterial extracts	2250/302	. .	Betaine, trimethylglycine
2250/208	. .	Fungi extracts	2250/304	. .	Choline
			2250/306	. .	Creatine
			2250/308	. .	Glucosamine

2250/31	. .	Glutathione	2250/54246	. . . .	Casein
2250/312	. .	S-adenosyl methionine	2250/54248	. . . .	Lactoferrin
2250/314	. .	Ubiquinone, coenzyme Qn	2250/5425	. . . .	Lactoperoxidase
2250/50	.	Polysaccharides, gums	2250/54252	. . . .	Whey protein
2250/502	. .	Gums	2250/5428	. . .	Egg protein
2250/5022	. . .	Acacia	2250/543	. . .	Fish protein
2250/5024	. . .	Agar	2250/5432	. . .	Gelatine
2250/5026	. . .	Alginate	2250/5434	. . .	Immunoglobulines
2250/5028	. . .	Arabic	2250/5436	. . .	Serum albumin [SAB]
2250/503	. . .	Arabinogalactan	2250/5438	. . .	Sialic acid, glycomacroprotein
2250/5032	. . .	Bassorine	2250/546	. .	Microbial protein
2250/5034	. . .	Beta-Glucan	2250/548	. .	Vegetable protein
2250/5036	. . .	Carrageenan	2250/5482	. . .	Cereal protein
2250/50362	. . . .	Iota-carrageenan	2250/5484	. . .	Oat protein
2250/50364	. . . .	Kappa-carrageenan	2250/5486	. . .	Wheat protein, gluten
2250/50366	. . . .	Lambda-carrageenan	2250/5488	. . .	Soybean protein
2250/5038	. . .	Cassia	2250/55	. .	Peptide, protein hydrolysate
2250/504	. . .	Curdlan	2250/60	.	Sugars, e.g. mono-, di-, tri-, tetra-saccharides
2250/5042	. . .	Dextran	2250/602	. .	Arabinose
2250/5044	. . .	Flax seed	2250/604	. .	Cellobiose
2250/5046	. . .	Fructan	2250/606	. .	Fructose
2250/5048	. . .	Furcellaran, estagar	2250/608	. .	Galactose
2250/505	. . .	Galactomannan	2250/61	. .	Glucose, Dextrose
2250/5054	. . .	Gellan	2250/612	. .	Lactose
2250/5056	. . .	Ghatti, indian gum	2250/614	. .	Lactulose
2250/5058	. . .	Glucomannan	2250/616	. .	Maltose
2250/506	. . .	Guar	2250/618	. .	Mannose
2250/5062	. . .	Inulin	2250/62	. .	Palatinose, isomaltulose
2250/5064	. . .	Karaya	2250/622	. .	Raffinose
2250/5066	. . .	Konjak	2250/624	. .	Rhamnose
2250/5068	. . .	Levan	2250/626	. .	Ribose
2250/507	. . .	Locust bean, carob	2250/628	. .	Saccharose, sucrose
2250/5072	. . .	Pectine, pectinate	2250/63	. .	Sorbose
2250/50722	. . . .	High methoxy pectine	2250/632	. .	Stachyose
2250/50724	. . . .	Low methoxy pectine	2250/634	. .	Tagatose
2250/5074	. . .	Psyllium	2250/636	. .	Trehalose
2250/5076	. . .	Pullulane	2250/638	. .	Xylose
2250/508	. . .	Tamarind	2250/64	. .	Sugar alcohols
2250/5082	. . .	Tara	2250/6402	. . .	Erythritol
2250/5084	. . .	Tragacanth	2250/6404	. . .	Galactitol
2250/5086	. . .	Xanthan	2250/6406	. . .	Glycerol
2250/51	. .	Polysaccharide	2250/6408	. . .	Hydrogenated starch hydrolysate
2250/5102	. . .	Amylopectin	2250/641	. . .	Inositol
2250/5104	. . .	Amylose	2250/6412	. . .	Isomaltitol, palatinit
2250/5106	. . .	Bran	2250/6414	. . .	Lactitol
2250/5108	. . .	Cellulose	2250/6416	. . .	Maltitol
2250/51082	. . . .	Carboxymethyl cellulose	2250/6418	. . .	Mannitol
2250/51084	. . . .	Crystalline, microcrystalline cellulose	2250/642	. . .	Sorbitol
2250/51086	. . . .	Hydroxyalkyl cellulose	2250/6422	. . .	Xylitol
2250/51088	. . . .	Other cellulose derivatives	2250/70	.	Vitamins
2250/511	. . .	Chitin, chitosan	2250/702	. .	Vitamin A
2250/5112	. . .	Cyclodextrin	2250/704	. .	Vitamin B
2250/5114	. . .	Dextrins, maltodextrins	2250/7042	. . .	Vitamin B1
2250/5116	. . .	Other non-digestible fibres	2250/7044	. . .	Vitamin B2
2250/5118	. . .	Starch	2250/7046	. . .	Vitamin B3 niacin
2250/54	.	Proteins	2250/7048	. . .	Vitamin B4
2250/542	. .	Animal Protein	2250/705	. . .	Vitamin B5 pantothenic acid
2250/5422	. . .	Collagen	2250/7052	. . .	Vitamin B6
2250/5424	. . .	Dairy protein	2250/7054	. . .	Vitamin B7
2250/54242	. . . .	Alpha lactalbumin	2250/7056	. . .	Vitamin B8 Folic acid
2250/54244	. . . .	Beta lactoglobulin	2250/7058	. . .	Vitamin B9

2250/706	. . . Vitamin B12
2250/708	. . Vitamin C
2250/71	. . Vitamin D
2250/7102	. . . Vitamin D1
2250/7104	. . . Vitamin D2
2250/7106	. . . Vitamin D3
2250/712	. . Vitamin E
2250/714	. . Vitamin K
2250/7142	. . . Vitamin K1
2250/7144	. . . Vitamin K2
2250/7146	. . . Vitamin K3
2250/716	. . Vitamin M
2250/718	. . Vitamin PP
2250/72	. . Biotin
2250/76	. Yeasts
2250/762	. . Saccharomyces

**2300/00 Processes****NOTE**

In this group, C-Sets are used. Detailed information about C-Sets construction and the associated syntax rules can be found in the definitions of [A23V](#).

2300/02	. Adsorption
2300/04	. Aeration
2300/06	. Deamidation, e.g. deamidation of protein
2300/08	. Denaturation, e.g. denaturation of protein
2300/10	. Drying, dehydrating
2300/12	. Electrical treatment, e.g. electrolysis, electrical field treatment, with or without heating effect

**NOTE**

To be combined with [A23V 2300/24](#) in case of heating effect

2300/14	. Extraction
2300/16	. Extrusion
2300/18	. Fractionation
2300/20	. Freezing
2300/21	. Genetic modification
2300/24	. Heat, thermal treatment
2300/26	. Homogenisation
2300/28	. Hydrolysis, degree of hydrolysis
2300/30	. Ion-exchange
2300/31	. Mechanical treatment
2300/34	. Membrane process
2300/36	. Modification in general
2300/38	. Multiple-step
2300/40	. Precipitation
2300/41	. Shearing
2300/44	. Supercritical state
2300/46	. Ultra high pressure
2300/48	. Ultrasonic treatment
2300/50	. Concentrating, enriching or enhancing in functional factors

**2400/00 Lactic or propionic acid bacteria****NOTE**

In this group, C-Sets are used. Detailed information about C-Sets construction and the

associated syntax rules can be found in the definitions of [A23V](#).

2400/11	. Lactobacillus
2400/113	. . Acidophilus
2400/115	. . Amylovorus
2400/117	. . Animalis
2400/119	. . Bifermentans
2400/121	. . Brevis
2400/123	. . Bulgaricus
2400/125	. . Casei
2400/127	. . Clearans
2400/129	. . Cornyiformis
2400/131	. . Cremoris
2400/133	. . Curvatus
2400/135	. . Danicus
2400/137	. . Delbrueckii
2400/139	. . Diacetylactis
2400/141	. . Farciminis
2400/143	. . Fermentum
2400/145	. . Gasseri
2400/147	. . Helveticus
2400/149	. . Jensenii
2400/151	. . Johnsonii
2400/153	. . Jugurti
2400/155	. . Kefiri
2400/157	. . Lactis
2400/159	. . Leichmannii
2400/161	. . Mesenteroides
2400/163	. . Oris
2400/165	. . Paracasei
2400/167	. . Pentosus
2400/169	. . Plantarum
2400/171	. . Pontis
2400/173	. . Reuteri
2400/175	. . Rhamnosus
2400/177	. . Ruminis
2400/179	. . Sakei
2400/181	. . Salivarius
2400/183	. . Sanfranciscensis
2400/185	. . Sulfurica
2400/187	. . Zeae
2400/21	. Streptococcus, lactococcus
2400/213	. . Acidominimus
2400/215	. . Cremoris
2400/217	. . Cricetus
2400/219	. . Diacetilactis
2400/221	. . Downeii
2400/223	. . Durans
2400/225	. . Faecalis
2400/227	. . Ferrus
2400/229	. . Kefiri
2400/231	. . Lactis
2400/233	. . Macedonius
2400/235	. . Macacae
2400/237	. . Mutans
2400/239	. . Oralis
2400/241	. . Paracitroararus
2400/243	. . Rattus
2400/245	. . Salivarius
2400/247	. . Sobrinus
2400/249	. . Thermophilus

2400/251	. .	Uberis
2400/31	. .	Leuconostoc
2400/313	. .	Carnosum
2400/315	. .	Citreum
2400/317	. .	Cremoris
2400/319	. .	Dextranicum
2400/321	. .	Mesenteroides
2400/323	. .	Paramesenteroides
2400/325	. .	Pseudomesenteroides
2400/41	. .	Pediococcus
2400/413	. .	Acidilactici
2400/415	. .	Cellicola
2400/417	. .	Damnus
2400/419	. .	Dextrinicus
2400/421	. .	Halophilus
2400/423	. .	Inopinatus
2400/425	. .	Paravulus
2400/427	. .	Pentosaceus
2400/429	. .	Urinaequi
2400/51	. .	Bifidobacterium
2400/513	. .	Adolescentes
2400/515	. .	Animalis
2400/517	. .	Bifidum
2400/519	. .	Breve
2400/521	. .	Catenulatum
2400/523	. .	Coryneforme
2400/525	. .	Dentium
2400/527	. .	Gallicum
2400/529	. .	Infantis
2400/531	. .	Lactis
2400/533	. .	Longum
2400/535	. .	Pseudocatenulatum
2400/537	. .	Thermacidophilum
2400/61	. .	Propionibacterium
2400/613	. .	Acidipropionici
2400/615	. .	Avidum
2400/617	. .	Freudenreichii
2400/619	. .	Jensenii
2400/621	. .	Propionicum
2400/623	. .	Shermanii