

# CPC COOPERATIVE PATENT CLASSIFICATION

## A HUMAN NECESSITIES

### FOODSTUFFS; TOBACCO

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

(NOTE omitted)

#### A23V INDEXING SCHEME RELATING TO FOODS, FOODSTUFFS OR NON-ALCOHOLIC BEVERAGES

##### NOTE

This subclass constitutes an internal scheme for indexing only.

#### 2002/00 Food compositions, function of food ingredients or processes for food or foodstuffs

##### NOTES

1. Indexing codes of main groups [A23V 2200/00](#), [A23V 2250/00](#) and [A23V 2300/00](#) are used in combination as C-sets with the base symbol [A23V 2002/00](#) to indicate the composition, function of ingredients or processes.
2. The indexing codes of this group are used in combination with the ingredients compositions codes

#### 2200/00 Function of food ingredients

##### NOTE

The indexing codes under this group are used in combination with the codes for ingredients compositions

- 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	2250/0634	. . . N-Acetyl-Cysteine
2200/312	. . having an effect on dental health	2250/0636	. . . Ornithine
2200/314	. . having an effect on lung or respiratory system	2250/0638	. . . Phenylalanine
2200/316	. . having an effect on regeneration or building of ligaments or muscles	2250/064	. . . Proline
2200/318	. . having an effect on skin health and hair or coat	2250/0642	. . . Serine
2200/32	. . having an effect on the health of the digestive tract	2250/0644	. . . Taurine
2200/3202	. . . Prebiotics, ingredients fermented in the gastrointestinal tract by beneficial microflora	2250/0646	. . . Theanine
2200/3204	. . . Probiotics, living bacteria to be ingested for action in the digestive tract	2250/0648	. . . Threonine
2200/322	. . having an effect on the health of the nervous system or on mental function	2250/065	. . . Tryptophan
2200/324	. . having an effect on the immune system	2250/0652	. . . Tyrosin
2200/326	. . having effect on cardiovascular health	2250/0654	. . . Valine
2200/3262	. . having an effect on blood cholesterol	2250/08	. Alcohol
2200/328	. . having effect on glycaemic control and diabetes	2250/082	. . Ethanol
2200/33	. . High-energy foods and drinks, sports drinks	2250/084	. . Methanol
2200/332	. . Promoters of weight control and weight loss	2250/086	. . Propanol
2200/3322	. . . Low carb - reduced carbohydrate content	2250/10	. Gas
2200/3324	. . . Low fat - reduced fat content	2250/101	. . Air
2200/334	. . treating the effects of consuming alcohol, narcotics or other addictive behavior, e.g. treating hangover or reducing blood alcohol levels	2250/106	. . Ammonia
<b>2250/00</b>	<b>Food ingredients</b>	2250/108	. . Butane
2250/02	. Acid	2250/11	. . Carbon dioxide
2250/022	. . Acetic acid	2250/112	. . Carbon monoxide
2250/026	. . Alpha lipoic acid, thiocetic acid	2250/114	. . Ethane
2250/028	. . Chlorogenic acid	2250/116	. . Ethylene
2250/03	. . Cholic acid	2250/118	. . Helium
2250/032	. . Citric acid	2250/12	. . Hydrogen
2250/034	. . Formic acid	2250/122	. . Methane
2250/036	. . Fumaric acid	2250/124	. . Nitrogen
2250/038	. . Gamma-amino butyric acid	2250/126	. . Oxygen
2250/04	. . Gluconic acid	2250/128	. . Ozone
2250/042	. . Lactic acid	2250/13	. . Propane
2250/044	. . Malic acid	2250/132	. . Sulphur dioxide
2250/046	. . Phosphoric acid	2250/134	. . Supercritical gas
2250/05	. . Propionic acid	2250/15	. Inorganic Compounds
2250/052	. . Pyruvic acid	2250/152	. . Hydrogen peroxide
2250/054	. . Sorbic acid	2250/154	. . Water
2250/056	. . Tartaric acid	2250/156	. . Mineral combination ( <a href="#">undefined extract A23V 2250/1638</a> )
2250/06	. . Amino acid	2250/1562	. . . Silver
2250/0602	. . . 5-Hydroxytryptophan	2250/1564	. . . Aluminium
2250/0604	. . . Alanine	2250/1566	. . . Arsenic
2250/0606	. . . Arginine	2250/1568	. . . Gold
2250/0608	. . . Asparagine	2250/157	. . . Beryllium
2250/061	. . . Aspartic acid	2250/1572	. . . Bore
2250/0612	. . . Carnitine	2250/1574	. . . Brome
2250/0614	. . . Citrulline	2250/1576	. . . Carbon
2250/0616	. . . Cysteine	2250/1578	. . . Calcium
2250/0618	. . . Glutamic acid	2250/158	. . . Cadmium
2250/062	. . . Glutamine	2250/1582	. . . Chlorine
2250/0622	. . . Glycine	2250/1584	. . . Cobalt
2250/0624	. . . Histidine	2250/1586	. . . Chromium
2250/0626	. . . Isoleucine	2250/1588	. . . Copper
2250/0628	. . . Leucine	2250/159	. . . Fluor
2250/063	. . . Lysine	2250/1592	. . . Iron
2250/0632	. . . Methionine	2250/1594	. . . Francium
		2250/1596	. . . Gallium
		2250/1598	. . . Iodine
		2250/16	. . . Potassium
		2250/1602	. . . Lanthanides
		2250/1604	. . . Lithium
		2250/1608	. . . Molybdenum
		2250/161	. . . Magnesium

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	. . .	Docosaheptaenoic 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
2250/21	. .	Plant extracts	2250/306	. .	Creatine
2250/2102	. . .	Aloe	2250/308	. .	Glucosamine
2250/2104	. . .	Anthocyanins	2250/31	. .	Glutathione
2250/2106	. . .	Bilberries, blueberries	2250/312	. .	S-adenosyl methionine
2250/2108	. . .	Caffeine, coffee extract	2250/314	. .	Ubiquinone, coenzyme Qn
2250/211	. . .	Carotene, carotenoids	2250/50	. .	Polysaccharides, gums
			2250/502	. .	Gums
			2250/5022	. . .	Acacia

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
2250/54246	. . . .	Casein	2250/706	. . .	Vitamin B12
2250/54248	. . . .	Lactoferrin	2250/708	. .	Vitamin C
2250/5425	. . . .	Lactoperoxidase	2250/71	. .	Vitamin D
2250/54252	. . . .	Whey protein	2250/7102	. . .	Vitamin D1
2250/5428	. . .	Egg protein	2250/7104	. . .	Vitamin D2
2250/543	. . .	Fish protein	2250/7106	. . .	Vitamin D3

## A23V

- 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

- 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