

CPC COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

FOODSTUFFS; TOBACCO

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

(NOTE omitted)

A23L FOODS, FOODSTUFFS, OR NON-ALCOHOLIC BEVERAGES, NOT COVERED BY SUBCLASSES [A21D](#) OR [A23B-A23J](#); THEIR PREPARATION OR TREATMENT, e.g. COOKING, MODIFICATION OF NUTRITIVE QUALITIES, PHYSICAL TREATMENT (shaping or working, not fully covered by this subclass, [A23P](#)); PRESERVATION OF FOODS OR FOODSTUFFS, IN GENERAL

WARNING

{In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.}

- | | |
|--|---|
| <p>2/00 Non-alcoholic beverages; Dry compositions or concentrates therefor (soup concentrates A23L 23/10); Their preparation (preparation of non-alcoholic beverages by removal of alcohol C12H 3/00)</p> <p>2/02 . containing fruit or vegetable juices</p> <p>2/04 . . Extraction of juices (machines or apparatus for extracting juice A23N 1/00, A47J 19/00)</p> <p>2/06 . . . from citrus fruits</p> <p>2/08 . . Concentrating or drying of juices</p> <p>2/082 . . . {by membrane processes}</p> <p>2/085 {by osmosis, reverse osmosis, electrodialysis}</p> <p>2/087 {by ultrafiltration, microfiltration}</p> <p>2/10 . . . by heating or contact with dry gases</p> <p>2/102 {Spray-drying}</p> <p>2/105 {Foam-drying}</p> <p>2/107 {Electric or wave heating}</p> <p>2/12 . . . by freezing</p> <p>2/14 and sublimation</p> <p>2/38 . Other non-alcoholic beverages (drinks from legumes A23L 11/60)</p> <p><u>WARNING</u></p> <p>Group A23L 2/38 is impacted by reclassification into groups A23L 11/60 and A23L 11/65.</p> <p>Groups A23L 2/38, A23L 11/60, and A23L 11/65 should be considered in order to perform a complete search.</p> <p>2/382 . . {fermented (fermented nut meats or seeds A23L 25/40; fermented milk preparations A23C 9/12; addition of bacteria for nutritional purposes A23L 33/135)}</p> <p>2/385 . Concentrates of non-alcoholic beverages</p> <p>2/39 . . Dry compositions</p> <p>2/395 . . . in a particular shape or form</p> <p>2/40 . Effervescence-generating compositions</p> <p>2/42 . Preservation of non-alcoholic beverages</p> | <p>2/44 . . by adding preservatives</p> <p>2/46 . . by heating</p> <p>2/48 . . . by irradiation or electric treatment</p> <p>2/50 . . by irradiation or electric treatment without heating</p> <p>2/52 . Adding ingredients (adding preservatives A23L 2/44)</p> <p>2/54 . . Mixing with gases</p> <p>2/56 . . Flavouring or bittering agents (sweeteners A23L 2/60)</p> <p>2/58 . . Colouring agents</p> <p>2/60 . . Sweeteners</p> <p>2/62 . . Clouding agents; Agents to improve the cloud-stability</p> <p>2/64 . . Re-adding volatile aromatic ingredients</p> <p>2/66 . . Proteins</p> <p>2/68 . . Acidifying substances</p> <p>2/70 . Clarifying or fining of non-alcoholic beverages; Removing unwanted matter</p> <p>2/72 . . by filtration</p> <p>2/74 . . . using membranes, e.g. osmosis, ultrafiltration</p> <p>2/76 . . by removal of gases</p> <p>2/78 . . by ion-exchange</p> <p>2/80 . . by adsorption</p> <p>2/82 . . by flocculation</p> <p>2/84 . . using microorganisms or biological material, e.g. enzymes</p> <p>3/00 Preservation of foods or foodstuffs, in general, e.g. pasteurising, sterilising, specially adapted for foods or foodstuffs (preserving foods or foodstuffs in association with packaging B65B 55/00)</p> <p><u>NOTE</u></p> <p>In groups A23L 3/3472 - A23L 3/3562, 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</p> |
|--|---|

A23L

A23L 3/00
(continued)

- appropriate place. {This Note corresponds to IPC Note (1) relating to [A23L 3/3472](#) - [A23L 3/3562](#)}
- 3/001 . {Details of apparatus, e.g. for transport, for loading or unloading manipulation, pressure feed valves}
- 3/003 . {Control or safety devices for sterilisation or pasteurisation systems}
- 3/005 . by heating using irradiation or electric treatment (drying or kilning [A23L 3/40](#))
- 3/0055 . . {with infra-red rays}
- 3/01 . . using microwaves or dielectric heating
- 3/015 . by treatment with pressure variation, shock, acceleration or shear stress {or cavitation}
- 3/0155 . . {using sub- or super-atmospheric pressures, or pressure variations transmitted by a liquid or gas}
- 3/02 . by heating materials in packages which are progressively transported, continuously or stepwise, through the apparatus
- 3/022 . . {with packages moving on the spot while being transported}
- 3/025 . . {with packages on a drum with horizontal axis ([A23L 3/022](#) takes precedence)}
- 3/027 . . . {transported in a hydrostatic chamber}
- 3/04 . . with packages on endless chain or band conveyors {(A23L 3/022 takes precedence)}
- 3/045 . . . {transported in a hydrostatic chamber}
- 3/06 . . with packages transported along a helical path {(A23L 3/022 takes precedence)}
- 3/065 . . . {transported in a hydrostatic chamber}
- 3/08 . . with packages on a revolving platform {(A23L 3/022 takes precedence)}
- 3/085 . . . {transported in a hydrostatic chamber}
- 3/10 . by heating materials in packages which are not progressively transported through the apparatus
- 3/12 . . with packages in intercommunicating chambers through which the heating medium is circulated
- 3/14 . . with packages moving on the spot
- 3/16 . by heating loose unpacked materials
- 3/165 . . {in solid state}
- 3/18 . . while they are progressively transported through the apparatus
- 3/185 . . . {in solid state}
- 3/20 . . . with transport along plates
- 3/205 {in solid state}
- 3/22 . . . with transport through tubes
- 3/225 {in solid state}
- 3/24 . . with the materials in spray form
- 3/245 . . . {in solid state}
- 3/26 . by irradiation without heating
- 3/263 . . {with corpuscular or ionising radiation, i.e. X, alpha, beta or omega radiation (laser plasma radiation [A23L 3/26](#))}
- 3/266 . . {with corona irradiation}
- 3/28 . . with ultra-violet light
- 3/30 . . by treatment with ultrasonic waves
- 3/32 . by treatment with electric currents without heating effect
- 3/325 . . {by electrolysis}
- 3/34 . by treatment with chemicals
- 3/3409 . . in the form of gases, e.g. fumigation; Compositions or apparatus therefor
- 3/34095 . . . {Details of apparatus for generating or regenerating gases}

- 3/3418 . . . in a controlled atmosphere, e.g. partial vacuum, comprising only CO₂, N₂, O₂ or H₂O
- 3/3427 in which an absorbent is placed or used (packages for foodstuffs with provision for absorbing fluids [B65D 81/26](#))
- 3/3436 Oxygen absorbent
- 3/3445 . . . in a controlled atmosphere comprising other gases in addition to CO₂, N₂, O₂ or H₂O
- 3/3454 . . in the form of liquids or solids
- 3/3463 . . . Organic compounds; Microorganisms; Enzymes

NOTE

In groups [A23L 3/3472](#) - [A23L 3/3562](#), 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.

{This Note corresponds to IPC Note relating to [A23L 3/3472](#) - [A23L 3/3562](#).}

- 3/34635 {Antibiotics}
- 3/3472 Compounds of undetermined constitution obtained from animals or plants
- 3/3481 Organic compounds containing oxygen
- 3/349 with singly-bound oxygen
- 3/3499 with doubly-bound oxygen
- 3/3508 containing carboxyl groups
- 3/3517 Carboxylic acid esters
- 3/3526 Organic compounds containing nitrogen
- 3/3535 Organic compounds containing sulfur
- 3/3544 Organic compounds containing hetero rings
- 3/3553 Organic compounds containing phosphorus
- 3/3562 Sugars; Derivatives thereof
- 3/3571 Microorganisms; Enzymes
- 3/358 . . . Inorganic compounds
- 3/3589 . . . Apparatus for preserving using liquids
- 3/3598 . . . Apparatus for preserving using solids
- 3/36 . Freezing; Subsequent thawing; Cooling
- 3/361 . . {the materials being transported through or in the apparatus, with or without shaping, e.g. in form of powder, granules, or flakes (moving on the spot only [A23L 3/363](#))}
- 3/362 . . . {with packages or with shaping in form of blocks or portions}
- 3/363 . . {the materials not being transported through or in the apparatus with or without shaping, e.g. in form of powder, granules, or flakes}
- 3/364 . . . {with packages or with shaping in form of blocks or portions}
- 3/365 . . Thawing subsequent to freezing
- 3/37 . . with addition of {or treatment with} chemicals
- 3/375 . . . with direct contact between the food and the chemical, e.g. liquid nitrogen, at cryogenic temperature
- 3/40 . by drying or kilning; Subsequent reconstitution
- 3/405 . . {Fractionated crystallisation}
- 3/42 . . with addition of chemicals before or during drying
- 3/44 . . Freeze-drying
- 3/46 . . Spray-drying
- 3/48 . . Thin layer-, drum- or roller-drying
- 3/485 . . . {Drum- or roller-drying}
- 3/50 . . Fluidised-bed drying

- 3/52 . . Foam-drying
- 3/54 . . using irradiation or electrical treatment, e.g. ultrasonic waves
- 5/00 Preparation or treatment of foods or foodstuffs, in general; Food or foodstuffs obtained thereby; Materials therefor**
- 5/10 . General methods of cooking foods, e.g. by roasting or frying
- 5/11 . . {using oil}
- 5/12 . . . {Processes other than deep-frying or float-frying using cooking oil in direct contact with the food}
- 5/13 . . {using water or steam}
- 5/15 . . {using wave energy, irradiation, electrical means or magnetic fields, e.g. oven cooking or roasting using radiant dry heat}
- 5/17 . . {in a gaseous atmosphere with forced air or gas circulation, in vacuum or under pressure}
- 5/19 . . {using chemicals before or during cooking, e.g. liquid cooking media other than water or oil; Cooking using inert particles, e.g. fluidised bed cooking (using additives to cooking oil [A23L 5/11](#))}
- 5/20 . Removal of unwanted matter, e.g. deodorisation or detoxification
- 5/21 . . {by heating without chemical treatment, e.g. steam treatment, cooking}
- 5/23 . . {by extraction with solvents}
- 5/25 . . {using enzymes}
- 5/27 . . {by chemical treatment, by adsorption or by absorption}
- 5/273 . . . {using adsorption or absorption agents, resins, synthetic polymers, or ion exchangers}
- 5/276 . . . {Treatment with inorganic compounds ([A23L 5/273](#) takes precedence)}
- 5/28 . . {using microorganisms}
- 5/30 . Physical treatment, e.g. electrical or magnetic means, wave energy or irradiation ([cooking A23L 5/10](#))
- 5/32 . . {using phonon wave energy, e.g. sound or ultrasonic waves}
- 5/34 . . {using microwaves}
- 5/36 . . {using irradiation with frequencies of more than 10 MHz}
- 5/40 . Colouring or decolouring of foods
- 5/41 . . Retaining or modifying natural colour by use of additives, e.g. optical brighteners ([A23L 5/42](#) takes precedence)
- 5/42 . . Addition of dyes or pigments, e.g. in combination with optical brighteners
- 5/43 . . . using naturally occurring organic dyes or pigments, their artificial duplicates or their derivatives
- 5/44 using carotenoids or xanthophylls
- 5/46 . . . using dyes or pigments of microbial or algal origin
- 5/47 . . . using synthetic organic dyes or pigments not covered by groups [A23L 5/43](#) - [A23L 5/46](#)
- 5/48 Compounds of unspecified constitution characterised by the chemical process for their preparation
- 5/49 . . Removing colour by chemical reaction, e.g. bleaching
- 5/51 . {Concentration}
- 5/55 . {Rehydration or dissolving of foodstuffs}
- 5/57 . {Chemical peeling or cleaning of harvested fruits, vegetables or other foodstuffs ([mechanical aspect A23N](#), [A23P](#))}
- 7/00 Cereal-derived products; Malt products; Preparation or treatment thereof ([preparation of malt for brewing C12C](#))**
- 7/10 . Cereal-derived products
- 7/101 . . {Addition of antibiotics, vitamins, amino-acids, or minerals}
- 7/104 . . Fermentation of farinaceous cereal or cereal material; Addition of enzymes or microorganisms
- 7/107 . . . {Addition or treatment with enzymes not combined with fermentation with microorganisms}
- 7/109 . . Types of pasta, e.g. macaroni or noodles
- 7/11 . . . {Filled, stuffed or multilayered pasta}
- 7/111 . . . {Semi-moist pasta, i.e. containing about 20% of moist; Moist packaged or frozen pasta; Pasta fried or pre-fried in a non-aqueous frying medium, e.g. oil; Packaged pasta to be cooked directly in the package}
- 7/113 . . . Parboiled or instant pasta
- 7/115 . . {Cereal fibre products, e.g. bran, husk}
- 7/117 . . Flakes or other shapes of ready-to-eat type; Semi-finished or partly-finished products therefor ([cereal granules or flakes to be cooked and eaten hot A23L 7/143](#); [cereal germ products A23L 7/152](#))
- 7/122 . . . Coated, filled, multilayered or hollow ready-to-eat cereals
- 7/126 . . . Snacks or the like obtained by binding, shaping or compacting together cereal grains or cereal pieces, e.g. cereal bars
- 7/13 . . . Snacks or the like obtained by oil frying of a formed cereal dough
- 7/135 . . . Individual or non-extruded flakes, granules or shapes having similar size, e.g. breakfast cereals
- 7/139 made from wholegrain or grain pieces without preparation of meal or dough
- 7/143 . . Cereal granules or flakes to be cooked and eaten hot, e.g. oatmeal; Reformed rice products
- 7/148 . . . made from wholegrain or grain pieces without preparation of meal or dough
- 7/152 . . Cereal germ products
- 7/157 . . Farinaceous granules for dressing meat, fish or the like
- 7/161 . . Puffed cereals, e.g. popcorn or puffed rice
- 7/165 . . . Preparation of puffed cereals involving preparation of meal or dough as an intermediate step
- 7/17 by extrusion
- 7/174 . . . Preparation of puffed cereals from wholegrain or grain pieces without preparation of meal or dough
- 7/178 by pressure release with or without heating
- 7/183 by heating without using a pressure release device
- 7/187 Discontinuously-working apparatus
- 7/191 . . . After-treatment of puffed cereals, e.g. coating or salting

- 7/196 . . Products in which the original granular shape is maintained, e.g. parboiled rice
- 7/1963 . . . {coated with a layer}
- 7/1965 . . . {Cooked; Precooked; Fried or pre-fried in a non-aqueous liquid frying medium, e.g. oil}
- 7/197 . . {Treatment of whole grains not provided for in groups [A23L 7/117](#) - [A23L 7/196](#) (preservation [A23B 9/00](#))}
- 7/1975 . . . {Cooking or roasting}
- 7/198 . . {Dry unshaped finely divided cereal products, not provided for in groups [A23L 7/117](#) - [A23L 7/196](#) and [A23L 29/00](#), e.g. meal, flour, powder, dried cereal creams or extracts}
- 7/20 . Malt products ([preparation of malt for brewing C12C](#))
- 7/25 . . Fermentation of cereal malt or of cereal by malting
- 9/00 Puddings; Cream substitutes; Preparation or treatment thereof**
- 9/10 . Puddings; Dry powder puddings
- 9/12 . . {Ready-to-eat liquid or semi-liquid desserts, e.g. puddings, not to be mixed with liquids, e.g. water, milk}
- 9/20 . Cream substitutes
- 9/22 . . {containing non-milk fats but no proteins other than milk proteins}
- 9/24 . . {containing non-milk fats and non-milk proteins, e.g. eggs or soybeans}
- 11/00 Pulses, i.e. fruits of leguminous plants, for production of food; Products from legumes; Preparation or treatment thereof**
- WARNING**
Group [A23L 11/00](#) is impacted by reclassification into groups [A23L 11/40](#), [A23L 11/45](#), [A23L 11/60](#), [A23L 11/65](#), and [A23L 11/70](#).
All groups listed in this Warning should be considered in order to perform a complete search.
- 11/01 . {Pulses or legumes in form of whole pieces or fragments thereof, without mashing or comminuting ([A23L 11/10](#) – [A23L 11/70](#) take precedence)}
- 11/03 . . {Soya beans, e.g. full-fat soya bean flakes or grits}
- 11/05 . {Mashed or comminuted pulses or legumes; Products made therefrom ([A23L 11/30](#) takes precedence; tofu or soya cheese [A23L 11/45](#); soy drinks [A23L 11/65](#))}
- 11/07 . . {Soya beans, e.g. oil-extracted soya bean flakes ([A23L 11/30](#) takes precedence)}
- 11/10 . Rapid cooking pulses
- 11/30 . Removing undesirable substances, e.g. bitter substances
- 11/31 . . {by heating without chemical treatment, e.g. steam treatment, cooking}
- 11/32 . . {by extraction with solvents}
- 11/33 . . {using enzymes; Enzymatic transformation of pulses or legumes}
- 11/34 . . {using chemical treatment, adsorption or absorption}
- 11/35 . . . {combined with heat treatment}
- 11/36 . . {using irradiation, e.g. with wave energy; Using electrical means or magnetic fields}

- 11/37 . . {using microorganisms}
- 11/40 . Pulse curds

WARNING

Groups [A23L 11/40](#) and [A23L 11/45](#) are incomplete pending reclassification of documents from groups [A23C 20/005](#), [A23C 20/02](#), [A23C 20/025](#), and [A23L 11/00](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 11/45 . . Soy bean curds, e.g. tofu
- 11/50 . Fermented pulses or legumes; Fermentation of pulses or legumes based on the addition of microorganisms ([removing undesirable substances A23L 11/30](#); soy sauce [A23L 27/50](#))

WARNING

Group [A23L 11/50](#) is incomplete pending reclassification of documents from group [A23L 11/70](#).

Groups [A23L 11/70](#) and [A23L 11/50](#) should be considered in order to perform a complete search.

- 11/60 . Drinks from legumes, e.g. lupine drinks

WARNING

Groups [A23L 11/60](#) and [A23L 11/65](#) are incomplete pending reclassification of documents from groups [A23C 11/10](#), [A23C 11/103](#), [A23C 11/106](#), [A23L 2/38](#), and [A23L 11/00](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 11/65 . . Soy drinks
- 11/70 . Germinated pulse products, e.g. from soy bean sprouts

WARNING

Group [A23L 11/70](#) is incomplete pending reclassification of documents from group [A23L 11/00](#).

Group [A23L 11/70](#) is also impacted by reclassification into group [A23L 11/50](#).

Groups [A23L 11/00](#), [A23L 11/70](#), and [A23L 11/50](#) should be considered in order to perform a complete search.

13/00 Meat products; Meat meal; Preparation or treatment thereof

- 13/03 . {Coating with a layer; Stuffing, laminating, binding, or compressing of original meat pieces}
- 13/06 . {with gravy or sauce}
- 13/10 . Meat meal or powder; Granules, agglomerates or flakes
- 13/20 . from offal, e.g. rinds, skins, marrow, tripes, feet, ears or snouts ([glands or bones as ingredients of processed meat A23L 13/60](#))
- 13/30 . Meat extracts
- 13/40 . containing additives
- 13/42 . . {Additives other than enzymes or microorganisms in meat products or meat meals}

13/422	. . . {Addition of natural plant hydrocolloids, e.g. gums of cellulose derivatives or of microbial fermentation gums}	17/10	. Fish meal or powder; Granules, agglomerates or flakes
13/424	. . . {Addition of non-meat animal protein material, e.g. blood, egg, dairy products, fish; Proteins from microorganisms, yeasts or fungi}	17/20	. Fish extracts
13/426	. . . {Addition of proteins, carbohydrates or fibrous material from vegetable origin other than sugars or sugar alcohols (A23L 13/422 takes precedence)}	17/30	. Fish eggs, e.g. caviar; Fish-egg substitutes
13/428	. . . {Addition of flavours, spices, colours, amino acids or their salts, peptides, vitamins, yeast extract or autolysate, nucleic acid or derivatives, organic acidifying agents or their salts or acidogens, sweeteners, e.g. sugars or sugar alcohols; Addition of alcohol-containing products}	17/35	. . {Fish-egg substitutes}
13/43	. . . {Addition of vegetable fats or oils; Addition of non-meat animal fats or oils; Addition of fatty acids}	17/40	. Shell-fish
13/432	. . . {Addition of inorganic compounds, e.g. minerals; oligo-elements}	17/50	. Molluscs
13/45	. . {Addition of, or treatment with, microorganisms (A23L 13/74 takes precedence)}	17/60	. Edible seaweed
13/46	. . . {Addition of, or fermentation with fungi, e.g. yeasts; Enrichment with dried biomass other than starter cultures}	17/65	. {Addition of, or treatment with, microorganisms or enzymes}
13/48	. . {Addition of, or treatment with, enzymes (A23L 13/74 takes precedence)}	17/70	. {Comminuted, e.g. emulsified, fish products; Processed products therefrom such as pastes, reformed or compressed products (A23L 17/65 , A23L 17/10 , A23L 17/20 , A23L 17/40 , A23L 17/50 take precedence)}
13/50	. Poultry products, e.g. poultry sausages	17/75	. {Coating with a layer, stuffing, laminating, binding or compressing of original fish pieces}
13/52	. . {Comminuted, emulsified or processed products; Pastes; Reformed or compressed products from poultry meat}	19/00	Products from fruits or vegetables; Preparation or treatment thereof (marmalades, jams, jellies or the like A23L 21/10; treating harvested fruit or vegetables in bulk A23N)
13/55	. . {Treatment of original pieces or parts (binding meat pieces in a compact form A23L 13/52)}	19/01	. {Instant products; Powders; Flakes; Granules (A23L 19/10 – A23L 19/12 take precedence)}
13/57	. . . {Coating with a layer or stuffing}	19/03	. {consisting of whole pieces or fragments without mashing the original pieces}
13/60	. Comminuted or emulsified meat products, e.g. sausages; Reformed meat from comminuted meat product	19/05	. . {Stuffed or cored products; Multilayered or coated products; Binding or compressing of original pieces}
13/62	. . {Coating with a layer, stuffing or laminating}	19/07	. . {Fruit waste products, e.g. from citrus peel or seeds}
13/65	. . {Sausages}	19/09	. {Mashed or comminuted products, e.g. pulp, purée, sauce, or products made therefrom, e.g. snacks (A23L 19/01 , A23L 19/10 , A23L 27/63 and A23L 21/00 take precedence)}
13/67	. . {Reformed meat products other than sausages}	19/10	. of tuberous or like starch containing root crops
13/70	. Tenderised or flavoured meat pieces, e.g. obtained by injecting solutions; Macerating solutions	19/105	. . {Sweet potatoes}
13/72	. . {using additives, e.g. injection solutions}	19/11	. . {Cassava, manioc, tapioca, or fermented products thereof, e.g. gari}
13/74	. . . {using microorganisms or enzymes}	19/115	. . {Konjak; Konntaku}
13/76	. . {by treatment in a gaseous atmosphere, e.g. aging, ripening; By electrical treatment, irradiation or wave treatment}	19/12	. . of potatoes
15/00	Egg products; Preparation or treatment thereof	19/13	. . . {Mashed potato products}
15/10	. Egg rolls	19/135 {Preformed edible shells filled with mashed potatoes; Stuffed mashed potato products}
15/20	. {Addition of proteins, e.g. hydrolysates, fats, carbohydrates, natural plant hydrocolloids; Addition of animal or vegetable substances containing proteins, fats, or carbohydrates}	19/14	. . . {Original non-roasted or non-fried potato pieces}
15/25	. {Addition or treatment with microorganisms or enzymes}	19/15	. . . Unshaped dry products, e.g. powders, flakes, granules or agglomerates
15/30	. {Addition of substances other than those covered by A23L 15/20 – A23L 15/25 }	19/18	. . . Roasted or fried products, e.g. snacks or chips
15/35	. {Egg substitutes}	19/19 {from powdered or mashed potato products (A23L 19/135 takes precedence)}
17/00	Food-from-the-sea products; Fish products; Fish meal; Fish-egg substitutes; Preparation or treatment thereof	19/20	. by pickling, e.g. sauerkraut or pickles
		21/00	Marmalades, jams, jellies or the like; Products from apiculture; Preparation or treatment thereof
		21/10	. Marmalades; Jams; Jellies; Other similar fruit or vegetable compositions; Simulated fruit products
		21/11	. . {obtained by enzymatic digestion of fruit or vegetable compositions}
		21/12	. . derived from fruit or vegetable solids
		21/15	. . derived from fruit or vegetable juices
		21/18	. . Simulated fruit products
		21/20	. Products from apiculture, e.g. royal jelly or pollen; Substitutes therefor

21/25	. . Honey; Honey substitutes	27/29	. . Fruit flavours
21/27	. . . {Honey substitutes}	27/30	. Artificial sweetening agents
23/00	Soups; Sauces (soya sauce A23L 27/50; salad dressings, mayonnaise or ketchup A23L 27/60); Preparation or treatment thereof	27/31	. . {containing amino acids, nucleotides, peptides or derivatives}
23/10	. Soup concentrates, e.g. powders or cakes	27/32	. . . {containing dipeptides or derivatives}
25/00	Food consisting mainly of nutmeat or seeds; Preparation or treatment thereof	27/33	. . {containing sugars or derivatives}
25/10	. Peanut butter	27/34	. . . {Sugar alcohols}
25/20	. {consisting of whole seeds or seed fragments}	27/35	. . . {Starch hydrolysates}
25/25	. . {coated with a layer}	27/36	. . . {Terpene glycosides}
25/30	. {Mashed or comminuted products, e.g. pulp, pastes, meal, powders; Products made therefrom, e.g. blocks, flakes, snacks; Liquid or semi-liquid products (A23L 25/10 and A23L 25/40 take precedence)}	27/37	. . . {Halogenated sugars}
25/40	. {Fermented products; Products treated with microorganisms or enzymes}	27/38	. . . {L-sugars}
27/00	Spices; Flavouring agents or condiments; Artificial sweetening agents; Table salts; Dietetic salt substitutes; Preparation or treatment thereof	27/39	. . {Addition of sweetness inhibitors}
27/10	. Natural spices, flavouring agents or condiments; Extracts thereof	27/40	. Table salts; Dietetic salt substitutes
27/105	. . {obtained from liliaceae, e.g. onions, garlic}	27/45	. . {Salt substitutes completely devoid of sodium chloride}
27/11	. . {obtained by solvent extraction}	27/50	. Soya sauce
27/115	. . {obtained by distilling, stripping, or recovering of volatiles}	27/60	. Salad dressings; Mayonnaise; Ketchup
27/12	. . from fruit, e.g. essential oils	27/63	. . {Ketchup}
27/13	. . . {from citrus fruits}	27/66	. . {Use of milk products or milk derivatives in the preparation of dressings}
27/14	. . Dried spices	27/70	. {Fixation, conservation, or encapsulation of flavouring agents}
27/16	. . . Onions	27/72	. . {Encapsulation}
27/18	. . Mustard	27/74	. . {with a synthetic polymer matrix or excipient, e.g. vinylic, acrylic polymers}
27/20	. Synthetic spices, flavouring agents or condiments	27/75	. . {the flavouring agents being bound to a host by chemical, electrical or like forces, e.g. use of precursors}
27/201	. . {Compounds of unspecified constitution characterised by the chemical reaction for their preparation (A23L 27/215 takes precedence)}	27/77	. . {Use of inorganic solid carriers, e.g. silica}
27/202	. . {Aliphatic compounds}	27/79	. . {in the form of films}
27/2022	. . . {containing sulfur}	27/80	. {Emulsions}
27/2024	. . . {having oxygen as the only hetero atom}	27/82	. {Acid flavourants}
27/2026 {Hydroxy compounds}	27/84	. {Flavour masking or reducing agents}
27/2028 {Carboxy compounds}	27/86	. {Addition of bitterness inhibitors}
27/203	. . {Alicyclic compounds}	27/88	. {Taste or flavour enhancing agents}
27/204	. . {Aromatic compounds}	29/00	Foods or foodstuffs containing additives
27/205	. . {Heterocyclic compounds}		(containing additives for modifying the nutritive qualities A23L 33/10 ; containing substantially indigestive additives, e.g. dietary fibres, A23L 33/21); Preparation or treatment thereof
27/2052	. . . {having oxygen or sulfur as the only hetero atoms}	29/015	. {Inorganic compounds}
27/2054	. . . {having nitrogen as the only hetero atom}	29/03	. {Organic compounds}
27/2056	. . . {having at least two different hetero atoms, at least one being a nitrogen atom}	29/035	. . {containing oxygen as heteroatom (gums A23L 29/25 ; sugar or sugar alcohols A23L 29/30)}
27/206	. . {Dairy flavours}	29/04	. . . {Fatty acids or derivatives}
27/21	. . containing amino acids	29/045	. . {containing nitrogen as heteroatom}
27/215	. . . {heated in the presence of reducing sugars, e.g. Maillard's non-enzymatic browning}	29/05	. . {containing phosphorus as heteroatom}
27/22	. . . containing glutamic acids	29/055	. . {containing sulfur as heteroatom}
27/23	. . containing nucleotides	29/06	. {Enzymes}
27/235	. . . {containing also amino acids}	29/065	. {Microorganisms (addition of bacteria for nutritional purposes A23L 33/135)}
27/24	. . prepared by fermentation	29/10	. containing emulsifiers
27/25	. . . {Dairy flavours}	29/20	. containing gelling or thickening agents (marmalades, jams, jellies or other similar fruit or vegetable compositions A23L 21/10)
27/26	. . Meat flavours	29/206	. . of vegetable origin
27/27	. . Smoke flavours	29/212	. . . Starch; Modified starch; Starch derivatives, e.g. esters or ethers (containing starch hydrolysates, e.g. dextrin, A23L 29/30)
27/28	. . Coffee or cocoa flavours		

- 29/219 Chemically modified starch; Reaction or complexation products of starch with other chemicals
- 29/225 Farinaceous thickening agents other than isolated starch or derivatives
- 29/231 . . . Pectin; Derivatives thereof
- 29/238 . . . from seeds, e.g. locust bean gum or guar gum ([starch A23L 29/212](#); [pectin A23L 29/231](#))
- 29/244 . . . from corms, tubers or roots, e.g. glucomannan ([starch A23L 29/212](#))
- 29/25 . . . Exudates, e.g. gum arabic, gum acacia, gum karaya or tragacanth
- 29/256 . . . from seaweeds, e.g. alginates, agar or carrageenan
- 29/262 . . . Cellulose; Derivatives thereof, e.g. ethers
- 29/269 . . of microbial origin, e.g. xanthan or dextran
- 29/27 . . . {Xanthan not combined with other microbial gums}
- 29/271 . . . {Curdlan; beta-1-3 glucan; Polysaccharides produced by agrobacterium or alcaligenes}
- 29/272 . . . {Gellan}
- 29/273 . . . {Dextran; Polysaccharides produced by leuconostoc}
- 29/274 . . . {Pullulan}
- 29/275 . . of animal origin, e.g. chitin
- 29/281 . . . Proteins, e.g. gelatin or collagen
- 29/284 {Gelatin; Collagen}
- 29/288 . . Synthetic resins, e.g. polyvinylpyrrolidone
- 29/294 . . Inorganic additives, e.g. silica
- 29/30 . containing carbohydrate syrups; containing sugars; containing sugar alcohols, e.g. xylitol; containing starch hydrolysates, e.g. dextrin ([products from apiculture A23L 21/20](#); [artificial sweetening agents A23L 27/30](#))
- 29/32 . . {Processes or apparatus for dissolving of sugars ([dissolving or refining raw sugar C13B 30/14](#))}
- 29/35 . . {Degradation products of starch, e.g. hydrolysates, dextrans; Enzymatically modified starches}
- 29/37 . . {Sugar alcohols}
- 31/00 Edible extracts or preparations of fungi; Preparation or treatment thereof**
- 31/10 . Yeasts or derivatives thereof
- 31/15 . . Extracts
- 33/00 Modifying nutritive qualities of foods; Dietetic products; Preparation or treatment thereof**
- 33/10 . using additives ([addition of substantially indigestible substances A23L 33/21](#))
- 33/105 . . Plant extracts, their artificial duplicates or their derivatives
- 33/11 . . . Plant sterols or derivatives thereof, e.g. phytosterols
- 33/115 . . Fatty acids or derivatives thereof; Fats or oils
- 33/12 . . . Fatty acids or derivatives thereof
- 33/125 . . containing carbohydrate syrups; containing sugars; containing sugar alcohols; containing starch hydrolysates ([indigestible substances A23L 33/21](#))
- 33/127 . . {Antibiotics}
- 33/13 . . Nucleic acids or derivatives thereof ([A23L 33/145 takes precedence](#))
- 33/135 . . Bacteria or derivatives thereof, e.g. probiotics
- 33/14 . . Yeasts or derivatives thereof
- 33/145 . . . Extracts
- 33/15 . . Vitamins
- 33/155 . . . Vitamins A or D
- 33/16 . . Inorganic salts, minerals or trace elements
- 33/165 . . . Complexes or chelates
- 33/17 . . Amino acids, peptides or proteins
- 33/175 . . . Amino acids
- 33/18 . . . Peptides; Protein hydrolysates
- 33/185 . . . Vegetable proteins
- 33/19 . . . Dairy proteins
- 33/195 . . . Proteins from microorganisms
- 33/20 . Reducing nutritive value; Dietetic products with reduced nutritive value
- 33/21 . . Addition of substantially indigestible substances, e.g. dietary fibres
- 33/22 . . . Comminuted fibrous parts of plants, e.g. bagasse or pulp
- 33/24 . . . Cellulose or derivatives thereof
- 33/25 . . . Synthetic polymers, e.g. vinylic or acrylic polymers
- 33/26 Polyol polyesters, e.g. sucrose polyesters; Synthetic sugar polymers, e.g. polydextrose
- 33/28 . . . Substances of animal origin, e.g. gelatin or collagen
- 33/29 . . . Mineral substances, e.g. mineral oils or clays
- 33/30 . {Dietetic or nutritional methods, e.g. for losing weight ([A23L 33/10 takes precedence](#))}
- 33/40 . {Complete food formulations for specific consumer groups or specific purposes, e.g. infant formula}
- 35/00 Food or foodstuffs not provided for in groups [A23L 5/00](#) – [A23L 33/00](#); Preparation or treatment thereof**
- 35/10 . {Emulsified foodstuffs}
- 35/20 . {No-fat spreads}