

CPC**COOPERATIVE PATENT CLASSIFICATION****A23C**

DAIRY PRODUCTS, e.g. MILK, BUTTER, CHEESE; MILK OR CHEESE SUBSTITUTES; MAKING THEREOF(obtaining protein compositions for foodstuffs,{e.g. from milk} , [A23J 1/00](#) ; preparation of peptides, e.g. of proteins, in general [C07K 1/00](#))

NOTE

This subclass covers:

- the chemical aspects of making dairy products
- the apparatus used for performing techniques provided for therein, e.g. for concentration, evaporation, drying, preservation, or sterilisation, unless such apparatus is specifically provided for in another subclass, e.g. [A01J](#) for treatment of milk or cream for manufacture of butter or cheese.

Guidance heading: **General dairy technology**

A23C 1/00

Concentration, evaporation or drying(products obtained thereby [A23C 9/00](#) ; making butter powder [A23C 15/14](#) , cheese powder [A23C 19/086](#) ; evaporating in general [B01D 1/00](#))

- [A23C 1/01](#) . Drying in thin layers
- [A23C 1/03](#) . . on drums or rollers
- [A23C 1/04](#) . by spraying into a gas stream
- [A23C 1/045](#) . . {by simultaneously or separately spraying of two different liquid products other than water or steam; by separate addition of additives other than milk products or lactose in the spray-dryer}
- [A23C 1/05](#) . . combined with agglomeration{granulation or coating}
- [A23C 1/06](#) . Concentration by freezing out the water
- [A23C 1/08](#) . . Freeze-drying
- [A23C 1/10](#) . Foam drying([A23C 1/04](#) , [A23C 1/08](#) take precedence)
- [A23C 1/12](#) . Concentration by evaporation
- [A23C 1/14](#) . combined with other treatment([A23C 3/00](#) , [A23C 9/00](#) take precedence)
- [A23C 1/16](#) . . using additives

A23C 3/00

Preservation of milk or milk preparations(of cream [A23C 13/08](#) ; of butter [A23C 15/18](#) ; of cheese [A23C 19/097](#))

- [A23C 3/005](#) . {Storing or packaging in a vacuum or in inert or sterile gaseous atmosphere(impregnation with inert gases [A23C 9/1524](#))}

- A23C 3/02 . by heating([A23C 3/07 takes precedence](#))
- A23C 3/023 .. in packages
- A23C 3/027 ... progressively transported through the apparatus
- A23C 3/03 .. the materials being loose unpacked
- A23C 3/031 ... {Apparatus through which the material is transported non progressively;
Temperature-maintaining holding tanks or vats with discontinuous filling or discharge}
- A23C 3/033 ... and progressively transported through the apparatus
- A23C 3/0332 {in contact with multiple heating plates}
- A23C 3/0335 {the milk being heated by electrical or mechanical means, e.g. by friction}
- A23C 3/0337 {the milk flowing through with indirect heat exchange, containing rotating elements, e.g. for improving the heat exchange}
- A23C 3/037 in direct contact with the heating medium, e.g. steam
- A23C 3/0375 {by pulverisation of the milk, including free falling film}
- A23C 3/04 . by freezing or cooling
- A23C 3/045 .. {Freezing in loose unpacked form}
- A23C 3/05 .. in packages
- A23C 3/055 ... {Freezing in packages}
- A23C 3/07 . by irradiation, e.g. by microwaves;{by sonic or ultrasonic waves}
- A23C 3/073 .. {by sonic or ultrasonic waves}
- A23C 3/076 .. {by ultraviolet or infrared radiation}
- A23C 3/08 . by addition of preservatives([addition of micro-organisms or enzymes A23C 9/12](#) , of other substances [A23C 9/152](#))
- A23C 3/085 .. {Inorganic compounds, e.g. lactoperoxidase - H₂O₂ systems}

A23C 7/00**Other dairy technology**

- A23C 7/02 . Chemical cleaning of dairy apparatus([cleaning in general B08B](#) , e.g. [B08B 3/08](#));
Use of sterilisation methods therefor([sterilisation methods per se A61L](#))
- A23C 7/04 . Removing unwanted substances{other than lactose or milk proteins}from milk([by filtering A01J 9/02](#) , [A01J 11/06](#))
- A23C 7/043 .. {using chemicals in liquid or solid state, e.g. flocculating, adsorbing or extracting agents([A23C 9/146](#) and [A23C 9/148](#) take precedence)}
- A23C 7/046 .. {by centrifugation without using chemicals, e.g. bactofugation; re-use of bactofugate}

Guidance heading: Dairy products; Processes specially adapted therefor**A23C 9/00**

Milk preparations; Milk powder or milk powder preparations([A23C 21/06](#) takes precedence; preservation [A23C 3/00](#) ; chocolate milk [A23G 1/00](#) ; ice-cream, mixtures for preparation of ice-cream [A23G 9/00](#) ; puddings, dry powder puddings [A23L 1/187](#))

- A23C 9/005 . {Condensed milk; Sugared condensed milk([A23C 1/06](#) and [A23C 1/12](#) take precedence)}
- A23C 9/12 . Fermented milk preparations; Treatment using micro-organisms or enzymes([whey preparations A23C 21/00](#))

- A23C 9/1203 .. {Addition of, or treatment with, enzymes or micro-organisms other than lactobacteriaceae}
- A23C 9/1206 ... {Lactose hydrolysing enzymes, e.g. lactase, beta-galactosidase}
- A23C 9/1209 ... {Proteolytic or milk coagulating enzymes, e.g. trypsin}
- A23C 9/1213 ... {Oxidation or reduction enzymes, e.g. peroxidase, catalase, dehydrogenase}
- A23C 9/1216 ... {Other enzymes}
- A23C 9/122 .. {Apparatus for preparing or treating fermented milk products}
- A23C 9/1223 ... {for making stirred yoghurt; Apparatus with agitating or stirring means; Continuous bulk fermentation, heating or cooling, i.e. continuous inlet and outlet flow of yoghurt}
- A23C 9/1226 ... {for making set yoghurt in containers without stirring, agitation or transport of the yoghurt or the containers during incubation, heating or cooling; Domestic yoghurt apparatus without agitating means}
- A23C 9/123 .. using only micro-organisms of the genus lactobacteriaceae; Yoghurt([A23C 9/13](#) takes precedence)
- A23C 9/1232 ... {in powdered, granulated or dried solid form}
- A23C 9/1234 ... {characterised by using a Lactobacillus sp. other than Lactobacillus Bulgaricus, including Bifidobacterium sp.}
- A23C 9/1236 ... {using Leuconostoc, Pediococcus or Streptococcus sp. other than Streptococcus Thermophilus; Artificial sour buttermilk in general([A23C 9/1234](#) and [A23C 17/02](#) take precedence)}
- A23C 9/1238 ... {using specific L. bulgaricus or S. thermophilus micro-organisms; using entrapped or encapsulated yoghurt bacteria; Physical or chemical treatment of L. bulgaricus or S. thermophilus cultures; Fermentation only with L. bulgaricus or only with S. thermophilus}
- A23C 9/127 .. using micro-organisms of the genus lactobacteriaceae and other micro-organisms or enzymes e.g. kefir, koumiss([A23C 9/13](#) takes precedence)
- A23C 9/1275 ... {using only lactobacteriaceae for fermentation in combination with enzyme treatment of the milk product; using enzyme treated milk products for fermentation with lactobacteriaceae}
- A23C 9/13 .. using additives
- A23C 9/1307 ... {Milk products or derivatives; Fruit or vegetable juices; Sugars, sugar alcohols, sweeteners; Oligosaccharides; Organic acids or salts thereof or acidifying agents; Flavours, dyes or pigments; Inert or aerosol gases; Carbonation methods}
- A23C 9/1315 ... {Non-milk proteins or fats; Seeds, pulses, cereals or soja; Fatty acids, phospholipids, mono- or diglycerides or derivatives therefrom; Egg products}
- A23C 9/1322 ... {Inorganic compounds; Minerals, including organic salts thereof, oligo-elements; Amino-acids, peptides, protein-hydrolysates or derivatives; Nucleic acids or derivatives; Yeast extract or autolysate; Vitamins; Antibiotics; Bacteriocins}
- A23C 9/133 ... Fruit or vegetables
- A23C 9/137 ... Thickening substances
- A23C 9/14 . in which the chemical composition of the milk is modified by non-chemical treatment

NOTE

When classifying in this group, classification is also made in group [B01D 15/08](#) insofar as subject matter of general interest relating to chromatography is concerned]

- A23C 9/142 .. by dialysis, reverse osmosis or ultrafiltration([A23C 9/144](#) takes precedence)
- A23C 9/1422 ... {by ultrafiltration, microfiltration or diafiltration of milk, e.g. for separating protein and lactose; Treatment of the UF permeate}
- A23C 9/1425 ... {by ultrafiltration, microfiltration or diafiltration of whey, e.g. treatment of the UF permeate}
- A23C 9/1427 ... {by dialysis, reverse osmosis or hyperfiltration, e.g. for concentrating or desalting}
- A23C 9/144 .. by electrical means, e.g. electrodialysis
- A23C 9/146 .. by ion-exchange
- A23C 9/1465 ... {Chromatographic separation of protein or lactose fraction; Adsorption of protein or lactose fraction followed by elution}
- A23C 9/148 .. by molecular sieve or gel filtration{or chromatographic treatment([A23C 9/1465](#) takes precedence)}
- A23C 9/15 . Reconstituted or recombined milk products containing neither non-milk fat nor non-milk proteins(containing thickening substances [A23C 9/154](#) ; mixtures of whey, with milk products or milk components [A23C 21/06](#))
- A23C 9/1504 .. {Spreads, semi-solid products}
- A23C 9/1508 .. {Dissolving or reconstituting milk powder; Reconstitution of milk concentrate with water; Standardisation of fat content of milk}
- A23C 9/1512 .. {containing isolated milk or whey proteins, caseinates or cheese; Enrichment of milk products with milk proteins in isolated or concentrated form, e.g. ultrafiltration retentate}
- A23C 9/1516 .. {Enrichment or recombination of milk(excepted whey)with milk fat, cream of butter without using isolated or concentrated milk proteins}
- A23C 9/152 . containing additives(fermented milk preparations containing additives [A23C 9/13](#))
- A23C 9/1522 .. {Inorganic additives, e.g. minerals, trace elements; Chlorination or fluoridation of milk; Organic salts or complexes of metals other than natrium or kalium; Calcium enrichment of milk}
- A23C 9/1524 .. {Inert gases, noble gases, oxygen, aerosol gases; Processes for foaming}
- A23C 9/1526 .. {Amino acids; Peptides; Protein hydrolysates; Nucleic acids; Derivatives thereof}
- A23C 9/1528 .. {Fatty acids; Mono- or diglycerides; Petroleum jelly; Paraffine; Phospholipids; Derivatives thereof}
- A23C 9/154 .. containing thickening substances, eggs or cereal preparations; Milk gels
- A23C 9/1542 ... {Acidified milk products containing thickening agents or acidified milk gels, e.g. acidified by fruit juices(fermentation [A23C 9/12](#))}
- A23C 9/1544 ... {Non-acidified gels, e.g. custards, creams, desserts, puddings, shakes or foams, containing eggs or thickening or gelling agents other than sugar; Milk products containing natural or microbial polysaccharides, e.g. cellulose or cellulose derivatives; Milk products containing nutrient fibres}
- A23C 9/1546 {in powdered, granulated or dried solid form}
- A23C 9/1548 ... {Non-dried milk gels, creams or semi-solid products obtained by heating milk with a sugar without using gums, e.g. milk jam}

- A23C 9/156 .. Flavoured milk preparations;{Addition of fruits, vegetables, sugars, sugar alcohols, sweeteners}([A23C 9/154](#) takes precedence)
- A23C 9/1565 ... {Acidified milk products, e.g. milk flavoured with fruit juices([A23C 9/1542](#) takes precedence; fermentation [A23C 9/12](#))}
- A23C 9/158 .. containing vitamins or antibiotics
- A23C 9/1585 ... {Antibiotics; Bacteriocins; Fungicides from micro-organisms}
- A23C 9/16 . Agglomerating or granulating milk powder; Making instant milk powder; Products obtained thereby([A23C 1/05](#) , [A23C 9/18](#) take precedence)
- A23C 9/18 . Milk in dried and compressed or semi-solid form
- A23C 9/20 . Dietetic milk products not covered by groups [A23C 9/12](#) to [A23C 9/18](#)
- A23C 9/203 .. {containing bifidus-active substances, e.g. lactulose; containing oligosaccharides}
- A23C 9/206 .. {Colostrum; Human milk}

- A23C 11/00** **Milk substitutes, e.g. coffee whitener compositions**(cheese substitutes [A23C 20/00](#) ; butter substitutes [A23D](#) ; cream substitutes [A23L 1/19](#))
- A23C 11/02 . containing at least one non-milk component as source of fats or proteins([A23C 19/055](#) , [A23C 21/04](#) take precedence)
- A23C 11/04 .. containing non-milk fats but no non-milk proteins([A23C 11/08](#) , [A23C 11/10](#) take precedence)
- A23C 11/045 ... {obtained by mixing the non-fat components in powdered form with the fats or by dry mixing of the components}
- A23C 11/06 .. containing non-milk proteins([A23C 11/08](#) , [A23C 11/10](#) take precedence)
- A23C 11/065 ... {Microbial proteins, inactivated yeast or animal proteins}
- A23C 11/08 .. containing caseinates but no other milk proteins nor milk fats
- A23C 11/10 .. containing or not lactose but no other milk components as source of fats, carbohydrates or proteins, e.g. soy milk
- A23C 11/103 ... {containing only proteins from pulses, oilseeds or nuts, e.g. soy or nut milk}
- A23C 11/106 {Addition of, or treatment with, micro-organisms([A23C 20/025](#) and [A23L 1/2118](#) take precedence)}

- A23C 13/00** **Cream; Cream preparations; Making thereof**(coffee whitener compositions [A23C 11/00](#) ; cream substitutes [A23L 1/19](#))
- A23C 13/08 . Preservation
- A23C 13/085 .. {Freezing; Subsequent melting}
- A23C 13/10 .. by addition of preservatives([A23C 13/14](#) , [A23C 13/16](#) take precedence)
- A23C 13/12 . Cream preparations(ice-cream [A23G 9/00](#))
- A23C 13/125 .. {in powdered, granulated or solid form}
- A23C 13/14 .. containing milk products or{non-fat}milk components
- A23C 13/16 .. containing, or treated with, micro-organisms, enzymes, or antibiotics; Sour cream
- A23C 13/165 ... {Making sour cream by chemical or physical means only}

- A23C 15/00** **Butter; Butter preparations; Making thereof**(butter substitutes [A23D](#))
- A23C 15/02 . Making thereof
- A23C 15/04 .. from butter oil or anhydrous butter

- A23C 15/06 . . Treating cream{or milk}prior to phase inversion
- A23C 15/065 . . . {Addition of a treatment with micro-organisms or enzymes; Addition of cultured milk products}
- A23C 15/12 . Butter preparations
- A23C 15/123 . . {Addition of micro-organisms or cultured milk products; Addition of enzymes; Addition of starter cultures other than destillates}
- A23C 15/126 . . {Butter containing a minority of vegetable oils; Enrichment of butter with fatty acids}
- A23C 15/14 . . Butter powder; Butter oil, i.e. melted butter, e.g. ghee;{Anhydrous butter}
- A23C 15/145 . . . {Removal of steroids, e.g. cholesterol or free acids; Fractionation of anhydrous milkfat by extraction with solvents other than solvent crystallisation or with supercritical gases or by distillation}
- A23C 15/16 . . Butter having reduced fat content
- A23C 15/165 . . . {prepared by addition of microorganisms; Cultured spreads}
- A23C 15/18 . Preservation
- A23C 15/20 . . by addition of preservatives{or antioxidants}
- A23C 17/00** **Buttermilk; Buttermilk preparations**([A23C 9/14](#) takes precedence; preservation [A23C 3/00](#))
- A23C 17/02 . containing, or treated with, micro-organisms or enzymes
- A23C 19/00** **Cheese; Cheese preparations; Making thereof**(cheese substitutes [A23C 20/00](#) ; casein [A23J 1/20](#))
- A23C 19/02 . Making cheese curd
- A23C 19/024 . . using continuous procedure
- A23C 19/0245 . . . {with immobilized enzymes or micro-organisms}
- A23C 19/028 . . without substantial whey separation from coagulated milk
- A23C 19/0285 . . . {by dialysis or ultrafiltration}
- A23C 19/032 . . characterised by the use of specific micro-organisms, or enzymes of microbial origin
- A23C 19/0321 . . . {Propionic acid bacteria}
- A23C 19/0323 . . . {using only lactic acid bacteria, e.g. *Pediococcus* and *Leuconostoc* species; *Bifidobacteria*; Microbial starters in general(using moulds [A23C 19/0682](#))}
- A23C 19/0325 . . . {using yeasts, alone or in combination with lactic acid bacteria or with fungi, without using other bacteria}
- A23C 19/0326 . . . {Rennet produced by fermentation e.g. microbial rennet; Rennet produced by genetic engineering}
- A23C 19/0328 . . . {Enzymes other than milk clotting enzymes, e.g. lipase, beta-galactosidase}
- A23C 19/04 . . characterised by the use of specific enzymes of vegetable or animal origin([A23C 19/032](#) takes precedence)
- A23C 19/041 . . . {Proteolytic or milk clotting enzymes from plants or vegetables, e.g. papain, ficin, bromelain}
- A23C 19/043 . . . {Enzymes other than proteolytic enzymes or milk clotting enzymes, e.g. lipase, lysosyme}
- A23C 19/045 . . Coagulation of milk without rennet or rennet substitutes{followed by whey separation}

- A23C 19/0455 . . . {Coagulation by direct acidification without fermentation of the milk, e.g. by chemical or physical means}
- A23C 19/05 . . Treating milk before coagulation; Separating whey from curd([A23C 19/097](#),{[A23C 19/045](#) }take precedence)
- A23C 19/051 . . . {Acidifying by combination of acid fermentation and of chemical or physical means}
- A23C 19/052 . . . {Acidifying only by chemical or physical means}
- A23C 19/053 . . . {Enrichment of milk with whey, whey components, substances recovered from separated whey, isolated or concentrated proteins from milk}
- A23C 19/054 . . . {using additives other than acidifying agents, NaCl, CaCl₂, dairy products, proteins, fats, enzymes or micro-organisms}
- A23C 19/055 . . Addition of non-milk fats or non-milk proteins,{polyol fatty acid polyesters or mineral oils}
- A23C 19/06 . Treating cheese curd after whey separation; Products obtained thereby([A23C 19/097](#) takes precedence)
- A23C 19/061 . . {Addition of, or treatment with, micro-organisms([A23C 19/0682](#) takes precedence)}
- A23C 19/062 . . . {using only lactic acid bacteria, e.g. pediococcus, leconostoc or bifidus sp., or propionic acid bacteria; Treatment with non-specified acidifying bacterial cultures}
- A23C 19/063 . . {Addition of, or treatment with, enzymes or cell-free extracts of micro-organisms}
- A23C 19/064 . . Salting
- A23C 19/068 . . Particular types of cheese
- A23C 19/0682 . . . {Mould-ripened or bacterial surface ripened cheeses}
- A23C 19/0684 . . . {Soft uncured Italian cheeses, e.g. Mozzarella, Ricotta, Pasta filata cheese; Other similar stretched cheeses}
- A23C 19/0686 . . . {Cheese from whey, e.g. mysost}
- A23C 19/0688 . . . {Hard cheese or semi-hard cheese with or without eyes([A23C 19/072](#) takes precedence)}
- A23C 19/072 . . . Cheddar type{or similar hard cheeses without eyes}
- A23C 19/076 . . . Soft unripened cheese, e.g. cottage or cream cheese
- A23C 19/0765 {Addition to the curd of additives other than acidifying agents, dairy products, proteins except gelatine, fats, enzymes, micro-organisms, NaCl, CaCl₂ or KCl; Foamed fresh cheese products}
- A23C 19/08 . . . Process cheese preparations; Making thereof, e.g. melting, emulsifying, sterilizing
- A23C 19/081 {Surface melting}
- A23C 19/082 Adding substances to the curd before or during melting; Melting salts
- A23C 19/084 Treating the curd, or adding substances thereto, after melting([adding non-milk components A23C 19/093](#))
- A23C 19/086 . . Cheese powder; Dried cheese preparations
- A23C 19/09 . . Other cheese preparations; Mixtures of cheese with other foodstuffs([preservation A23C 19/097](#))
- A23C 19/0904 . . . {Liquid cheese products, e.g. beverages, sauces}
- A23C 19/0908 . . . {Sliced cheese; Multilayered or stuffed cheese; Cheese loaves}

A23C 19/0912	...	{Fried, baked or roasted cheese products, e.g. cheese cakes; Foamed cheese products, e.g. souffl�s; Expanded cheese in solid form}
A23C 19/0917	...	{Addition, to cheese or curd, of whey, whey components, substances recovered from separated whey, isolated or concentrated proteins from milk}
A23C 19/0921	...	{Addition, to cheese or curd, of minerals, including organic salts thereof, trace elements, amino acids, peptides, protein hydrolysates, nucleic acids, yeast extracts or autolysate, vitamins or derivatives of these compounds}
A23C 19/0925	...	{Addition, to cheese or curd, of colours, synthetic flavours or artificial sweeteners, including sugar alcohols}
A23C 19/093	...	Addition of non-milk fats or non-milk proteins,{polyol fatty acid polyesters or mineral oils}
A23C 19/097	.	Preservation
A23C 19/0973	..	{Pasteurisation; Sterilisation; Hot packaging}
A23C 19/0976	..	{Freezing; Treating cheese in frozen state; Thawing of frozen cheese}
A23C 19/10	..	Addition of preservatives{(enzymes or micro-organisms , see A23C 19/032 , A23C 19/04 , A23C 19/061 and A23C 19/063)}
A23C 19/105	...	{Inorganic compounds; Inert or noble gases; Carbon dioxide}
A23C 19/11	...	of antibiotics{or bacteriocins}
A23C 19/14	.	Treating cheese after having reached its definite form, e.g. ripening, smoking(preservation A23C 19/097)
A23C 19/16	..	Covering the cheese surface, e.g. with paraffin wax
A23C 19/163	...	{with a non-edible liquid or semi-liquid coating, e.g. wax, polymer dispersions(in combination with an edible coating A23C 19/16)}
A23C 19/166	...	{with non-edible preformed foils, films or bandages}
A23C 20/00		Cheese substitutes(A23C 19/055 , A23C 19/093 take precedence)
A23C 20/005	.	{mainly containing proteins from pulses or oilseeds, e.g. soy curd, tofu}
A23C 20/02	.	containing neither milk components, nor caseinate, nor lactose, as sources of fats, proteins or carbohydrates
A23C 20/025	..	{mainly containing proteins from pulses or oilseeds, e.g. soy curd, tofu}
A23C 21/00		Whey; Whey preparations(A23C 1/00 , A23C 3/00 , A23C 9/14 take precedence)
A23C 21/02	.	containing, or treated with, micro-organisms or enzymes
A23C 21/023	..	{Lactose hydrolysing enzymes, e.g. lactase, B-galactosidase}
A23C 21/026	..	{containing, or treated only with, lactic acid producing bacteria, bifidobacteria or propionic acid bacteria}
A23C 21/04	.	containing non-milk components as source of fats or proteins
A23C 21/06	.	Mixtures of whey with milk products or milk components
A23C 21/08	.	containing other organic additives, e.g. vegetable or animal products
A23C 21/10	.	containing inorganic additives
A23C 23/00		Other dairy products
A23C 2200/00		Special features

A23C 2210/00**Physical treatment of dairy products(not used, see subgroups)**

A23C 2210/05

- Conventional drying followed by fluidised bed drying; Fluidised bed drying at the bottom of a spray-drier

A23C 2210/10

- General processes or apparatus not classified in [A23C 3/0375](#) for direct contact of a falling film of liquid with steam

A23C 2210/15

- High pressure treatment

A23C 2210/20

- Treatment using membranes, including sterile filtration(not used, see subgroups)

A23C 2210/202

- .. Treatment of milk with a membrane before or after fermentation of the milk, e.g UF of diafiltration

A23C 2210/204

- .. Use of a membrane during fermentation of milk

A23C 2210/206

- .. Membrane filtration of a permeate obtained by ultrafiltration, nanofiltration or microfiltration

A23C 2210/208

- .. Removal of bacteria by membrane filtration; Sterile filtration of milk products

A23C 2210/25

- Separating and blending(not used, see subgroups)

A23C 2210/252

- .. Separating a milk product in at least two fractions followed by treatment of at least one of the fractions and remixing at least part of the two fractions

A23C 2210/254

- .. Cream is separated from milk, one of the fractions is treated and at least part of the cream is remixing with the milk

A23C 2210/256

- .. Removal or separation of bacteria, or a fraction containing bacteria, by centrifugation; Bactofugation

A23C 2210/258

- .. Separation or recuperation of fats or lipids from whey or whey products

A23C 2210/30

- Whipping, foaming, frothing or aerating dairy products

A23C 2210/40

- Microencapsulation; Encapsulation of particles

A23C 2220/00**Biochemical treatment(not used, see subgroups below)**

A23C 2220/10

- Enzymatic treatment(not used, see subgroups below)

A23C 2220/102

- .. Enzymatic treatment in diffusion reactors, e.g. membrane reactors, without immobilisation of the enzyme

A23C 2220/104

- .. Enzymatic treatment with immobilised enzymes

A23C 2220/106

- .. Enzymatic treatment with enzymes in microgranules or soluble matrices; Entrapment of enzymes or making enzyme aggregates for delayed solubility; Complexation of enzymes

A23C 2220/20

- Treatment with micro-organisms(not used, see subgroups below)

A23C 2220/202

- .. Genetic engineering of microorganisms used in dairy technology

A23C 2220/204

- .. Use of bacteria which are encapsulated, entrapped or immobilised; Fermentation with these bacteria

A23C 2220/206

- .. Slime forming bacteria; Exopolysaccharide or thickener producing bacteria, ropy cultures, so-called filant strains

A23C 2220/208

- .. Fermentation of skim milk or milk and its addition in a small quantity to unfermented skim milk or milk, e.g. cheese milk; Addition of yoghurt to cheese milk

A23C 2230/00**Aspects relating to animal feed or genotype(not used, see subgroups below)**

A23C 2230/05

- Milk or milk products from transgenic animals

A23C 2230/10

- Animal milk with modified composition due to a specific feed

A23C 2230/15	<ul style="list-style-type: none"> Animal milk with modified composition due to manipulation of the animal, e.g. animal milk comprising antibodies, selection of animals having specific genotypes
A23C 2240/00	Use or particular additives or ingredients(not used, see subgroups below)
A23C 2240/05	<ul style="list-style-type: none"> Milk products enriched with milk fat globule membrane
A23C 2240/10	<ul style="list-style-type: none"> Dairy products containing sterols or sterol derivatives
A23C 2240/15	<ul style="list-style-type: none"> Use of plant extracts, including purified and isolated derivatives thereof, as ingredient in dairy products
A23C 2240/20	<ul style="list-style-type: none"> Inert gas treatment, using e.g. noble gases or CO₂, including CO₂ liberated by chemical reaction; Carbonation of milk products
A23C 2250/00	Particular aspects related to cheese(not used, see subgroups below)
A23C 2250/05	<ul style="list-style-type: none"> Emulsifying cheese(not used, see subgroups below)
A23C 2250/052	<ul style="list-style-type: none"> Emulsifying cheese below melting or pasteurisation temperature, e.g. below about 60 degrees
A23C 2250/054	<ul style="list-style-type: none"> Emulsifying cheese without melting or emulsifying salts, e.g. citrates or (poly-) phosphates or alkali metal (bi-) carbonates or sodium or calcium salts of organic acids
A23C 2250/10	<ul style="list-style-type: none"> Cheese characterised by a specific form
A23C 2250/15	<ul style="list-style-type: none"> Shredded non-dried cheese
A23C 2250/20	<ul style="list-style-type: none"> Compacting shredded or ground cheese other than curd or small cheese pieces without melting
A23C 2250/25	<ul style="list-style-type: none"> Cheese with fat content lower than 0.5%, including cheese from skim milk, i.e. no addition of fats
A23C 2250/30	<ul style="list-style-type: none"> Blue veined cheeses, e.g. Roquefort, Gorgonzola, Stilton
A23C 2250/35	<ul style="list-style-type: none"> Smoking of cheese or curd; Smoked cheeses; Smoking of milk components before conversion to cheese
A23C 2250/40	<ul style="list-style-type: none"> Breaded cheese products, e.g. coating with a batter mix or other adhesive material followed by breading with crumbs or other particulate coating
A23C 2250/45	<ul style="list-style-type: none"> Cheese from buttermilk
A23C 2260/00	Particular aspects or types of dairy products(not used, see subgroups below)
A23C 2260/05	<ul style="list-style-type: none"> Concentrated yoghurt products, e.g. labneh, yoghurt cheese, non-dried non-frozen solid or semi-solid yoghurt products other than spreads; Strained yoghurt; Removal of whey from yoghurt
A23C 2260/10	<ul style="list-style-type: none"> Spreadable dairy products(not used, see subgroups below)
A23C 2260/102	<ul style="list-style-type: none"> Spreadable fermented dairy product; Dairy spreads prepared by fermentation or containing microorganisms; Cultured spreads; Dairy spreads containing fermented milk products
A23C 2260/104	<ul style="list-style-type: none"> Water-continuous butterlike spreads; spreads from cream prepared without phase inversion
A23C 2260/15	<ul style="list-style-type: none"> Frozen dairy products(not used, see subgroups below)
A23C 2260/152	<ul style="list-style-type: none"> Frozen fermented milk products e.g. frozen yoghurt or yoghurt ice cream; Frozen milk products containing living microorganisms.
A23C 2260/154	<ul style="list-style-type: none"> Frozen non-fermented milk products

A23C 2260/20

- Dry foaming beverage creamer or whitener, e.g. gas injected or containing carbonation or foaming agents, for causing foaming when reconstituted

A23C 2260/25

- Dairy compositions providing for tooth protective effects, e.g. anticariogenic effects

A23C 2270/00

Aspects relating to packaging(not used, see subgroups below)

A23C 2270/05

- Gelled or liquid milk product e.g. yoghurt, cottage cheese or pudding being one of the separate layers of a multilayered soft or liquid food product

A23C 2270/10

- Dairy products filled into pressurised containers with dispensing means for atomisation or foaming

A23C 2270/15

- Separate packaging or storing of foodstuffs or ingredients to be mixed prior to use or serving e.g. storing into separate compartments of a single container or into separate containers