

CPC COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

FOODSTUFFS; TOBACCO

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

(NOTE omitted)

A23B PRESERVATION OF FOODS, FOODSTUFFS OR NON-ALCOHOLIC BEVERAGES; CHEMICAL RIPENING OF FRUIT OR VEGETABLES

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. }

2/00 Preservation of foods or foodstuffs, in general

NOTE

This group covers processes or apparatus for the preservation of foods or foodstuffs, in general, i.e. where the nature of the product is not relevant or not specified.

WARNING

Group [A23B 2/00](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/001 . {Details of apparatus, e.g. pressure feed valves or for transport, or loading or unloading manipulation}

WARNING

Group [A23B 2/001](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/003 . {Control or safety devices for sterilisation or pasteurisation systems}

WARNING

Group [A23B 2/003](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/05 . by heating using irradiation or electric treatment (drying or kilning [A23B 2/90](#))

WARNING

Group [A23B 2/05](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/055 . . {with infrared rays}

WARNING

Group [A23B 2/055](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/08 . . using microwaves or dielectric heating

WARNING

Group [A23B 2/08](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/10 . by treatment with pressure variation, shock, acceleration or shear stress

WARNING

Group [A23B 2/10](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/103 . . {using sub- or super-atmospheric pressures, or pressure variations transmitted by a liquid or gas}

WARNING

Group [A23B 2/103](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/20 . by heating materials in packages which are progressively transported, continuously or stepwise, through the apparatus

WARNING

Group [A23B 2/20](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/203 . . {with packages moving on the spot while being transported}

WARNING

Group [A23B 2/203](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/205 . . {with packages on a drum with horizontal axis (with packages moving on the spot while being transported [A23B 2/203](#))}

WARNING

Group [A23B 2/205](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/2055 . . . {transported in a hydrostatic chamber}

WARNING

Group [A23B 2/2055](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/22 . . with packages on endless chain or band conveyors {(with packages moving on the spot while being transported [A23B 2/203](#))}

WARNING

Group [A23B 2/22](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/225 . . . {transported in a hydrostatic chamber}

WARNING

Group [A23B 2/225](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/25 . . with packages transported along a helical path {(with packages moving on the spot while being transported [A23B 2/203](#))}

WARNING

Group [A23B 2/25](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/255 . . . {transported in a hydrostatic chamber}

WARNING

Group [A23B 2/255](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/28 . . with packages on a revolving platform {(with packages moving on the spot while being transported [A23B 2/203](#))}

WARNING

Group [A23B 2/28](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/285 . . . {transported in a hydrostatic chamber}

WARNING

Group [A23B 2/285](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/30 . by heating materials in packages which are not progressively transported through the apparatus

WARNING

Group [A23B 2/30](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/33 . . with packages in intercommunicating chambers through which the heating medium is circulated

WARNING

Group [A23B 2/33](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/37 . . with packages moving on the spot

WARNING

Group [A23B 2/37](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/40 . by heating loose unpacked materials

WARNING

Group [A23B 2/40](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/405 . . {in solid state}

WARNING

Group [A23B 2/405](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/42 . . while they are progressively transported through the apparatus

WARNING

Group [A23B 2/42](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/425 . . . {in solid state}

WARNING

Group [A23B 2/425](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/44 . . . with transport along plates

WARNING

Group [A23B 2/44](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/445 {in solid state}

WARNING

Group [A23B 2/445](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/46 . . . with transport through tubes

WARNING

Group [A23B 2/46](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/465 {in solid state}

WARNING

Group [A23B 2/465](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/48 . . with the materials in spray form

WARNING

Group [A23B 2/48](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/485 . . . {in solid state}

WARNING

Group [A23B 2/485](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/50 . by irradiation without heating

WARNING

Group [A23B 2/50](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/503 . . {with corpuscular or ionising radiation, i.e. X, alpha, beta or omega radiation}

WARNING

Group [A23B 2/503](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/505 . . {with corona irradiation}

WARNING

Group [A23B 2/505](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/53 . . with ultraviolet light

WARNING

Group [A23B 2/53](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/57 . . by treatment with ultrasonic waves

WARNING

Group [A23B 2/57](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/60 . by treatment with electric currents without heating effect

WARNING

Group [A23B 2/60](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/605 . . {by electrolysis}

WARNING

Group [A23B 2/605](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/70 . by treatment with chemicals

WARNING

Group [A23B 2/70](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/704 . . in the form of gases, e.g. fumigation; Compositions or apparatus therefor

WARNING

Group [A23B 2/704](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/7045 . . . {Details of apparatus for generating or regenerating gases}

WARNING

Group [A23B 2/7045](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/708 . . . in a controlled atmosphere, e.g. partial vacuum, comprising only CO₂, N₂, O₂ or H₂O

WARNING

Group [A23B 2/708](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/712 in which an absorbent is placed or used
(packages for foodstuffs with provision for
absorbing fluids [B65D 81/26](#))

WARNING

Group [A23B 2/712](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/717 Oxygen absorbent

WARNING

Group [A23B 2/717](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/721 in a controlled atmosphere comprising other gases in addition to CO₂, N₂, O₂ or H₂O

WARNING

Group [A23B 2/721](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/725 . . . in the form of liquids or solids

WARNING

Group [A23B 2/725](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/729 . . . Organic compounds; Microorganisms; Enzymes

NOTE

In groups [A23B 2/733](#) - [A23B 2/779](#), 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.

WARNING

Group [A23B 2/729](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/7295 {Antibiotics}

WARNING

Group [A23B 2/7295](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/733 Compounds of undetermined constitution obtained from animals or plants

WARNING

Group [A23B 2/733](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/742 Organic compounds containing oxygen

WARNING

Group [A23B 2/742](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/746 with singly-bound oxygen

WARNING

Group [A23B 2/746](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/75 with doubly-bound oxygen

WARNING

Group [A23B 2/75](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/754 containing carboxyl groups

WARNING

Group [A23B 2/754](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/758 Carboxylic acid esters

WARNING

Group [A23B 2/758](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/762 Organic compounds containing nitrogen

WARNING

Group [A23B 2/762](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/767 Organic compounds containing sulfur

WARNING

Group [A23B 2/767](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/771 Organic compounds containing hetero rings

WARNING

Group [A23B 2/771](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/775 Organic compounds containing phosphorus

WARNING

Group [A23B 2/775](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/779 Sugars; Derivatives thereof

WARNING

Group [A23B 2/779](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/783 Microorganisms; Enzymes

WARNING

Group [A23B 2/783](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/788 Inorganic compounds

WARNING

Group [A23B 2/788](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/792 Apparatus for preserving using liquids

WARNING

Group [A23B 2/792](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/796 Apparatus for preserving using solids

WARNING

Group [A23B 2/796](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/80 Freezing; Subsequent thawing; Cooling

WARNING

Group [A23B 2/80](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

2/803 . . . {Materials being transported through or in the apparatus, with or without shaping, e.g. in the form of powders, granules or flakes}

WARNING

Group [A23B 2/803](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/8033 . . . {with packages or with shaping in the form of blocks or portions}

WARNING

Group [A23B 2/8033](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/805 . . . {Materials not being transported through or in the apparatus with or without shaping, e.g. in the form of powders, granules or flakes}

WARNING

Group [A23B 2/805](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/8055 . . . {with packages or with shaping in the form of blocks or portions}

WARNING

Group [A23B 2/8055](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/82 . . . Thawing subsequent to freezing

WARNING

Group [A23B 2/82](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/85 . . . with addition of {or treatment with} chemicals

WARNING

Group [A23B 2/85](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/88 . . . with direct contact between the food and the chemical, e.g. liquid N₂ at cryogenic temperature

WARNING

Group [A23B 2/88](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/90 . . . by drying or kilning; Subsequent reconstitution

WARNING

Group [A23B 2/90](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/905 . . . {Fractionated crystallisation}

WARNING

Group [A23B 2/905](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/91 . . . with addition of chemicals before or during drying

WARNING

Group [A23B 2/91](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/92 . . . Freeze drying

WARNING

Group [A23B 2/92](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/93 . . . Spray drying

WARNING

Group [A23B 2/93](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/94 . . . Thin-layer drying, drum drying or roller drying

WARNING

Group [A23B 2/94](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/945 . . . {Drum- or roller-drying}

WARNING

Group [A23B 2/945](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/95 . . Fluidised-bed drying

WARNING

Group [A23B 2/95](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/96 . . Foam drying

WARNING

Group [A23B 2/96](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 2/97 . . using irradiation or electric treatment, e.g. ultrasonic waves

WARNING

Group [A23B 2/97](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

Preservation of specific foods, foodstuffs or non-alcoholic beverages; Chemical ripening of fruit or vegetables

- 4/00 Preservation of meat, sausages, fish or fish products**

- 4/002 . {Preservation in association with shaping ([A23B 4/0053](#), [A23B 4/01](#), [A23B 4/062](#) and [A23B 4/066](#) take precedence)}
- 4/005 . Preserving by heating
- 4/0053 . . {with gas or liquids, with or without shaping, e.g. in form of powder, granules or flakes}

NOTE

{The heating means for the gas or liquid are not classified.}

- 4/0056 . . . {with packages, or with shaping in the form of blocks or portions}
- 4/01 . . by irradiation or electric treatment {with or without shaping, e.g. in form of powder, granules or flakes}
- 4/012 . . . {with packages, or with shaping in the form of blocks or portions}
- 4/015 . Preserving by irradiation or electric treatment without heating effect

- 4/02 . Preserving by means of inorganic salts ([apparatus therefor A23B 4/26](#), [A23B 4/32](#))
- 4/021 . . {with apparatus adapted for gaseous preserving agents}
- 4/023 . . by kitchen salt or mixtures thereof with inorganic or organic compounds
- 4/0235 . . . {with organic compounds or biochemical products}
- 4/027 . . by inorganic salts other than kitchen salt or mixtures thereof with organic compounds, e.g. biochemical compounds
- 4/03 . Drying; Subsequent reconstitution
- 4/031 . . {Apparatus for drying ([A23B 4/037](#) takes precedence)}
- 4/033 . . with addition of chemicals ([A23B 4/037](#) takes precedence)
- 4/037 . . Freeze-drying {, i.e. cryodesiccation or lyophilisation; Apparatus therefor}
- 4/044 . Smoking; Smoking devices
- 4/048 . . with addition of chemicals other than natural smoke
- 4/052 . . Smoke generators {; Smoking apparatus}
- 4/0523 . . . {Smoke generators using wood-pyrolysis or wood-friction}
- 4/0526 . . . {Smoke generators or smoking apparatus using liquid smoke in gaseous or liquid form}
- 4/056 . . Smoking combined with irradiation or electric treatment, e.g. electrostatic smoking {; Apparatus therefor}
- 4/06 . Freezing; Subsequent thawing; Cooling
- 4/062 . . {the materials being transported through or in the apparatus with or without shaping, e.g. in the form of powder, granules or flakes ([moving on the spot only A23B 4/066](#))}
- 4/064 . . . {with packages or with shaping in the form of blocks or portions}
- 4/066 . . {the materials not being transported through or in the apparatus with or without shaping, e.g. in the form of powder, granules or flakes}
- 4/068 . . . {with packages or with shaping in the form of blocks or portions}
- 4/07 . . Thawing subsequent to freezing
- 4/08 . . with addition of chemicals {or treatment with chemicals} before or during cooling {, e.g. in the form of an ice coating or frozen block}
- 4/09 . . . with direct contact between the food and the chemical, e.g. liquid N₂, at cryogenic temperature
- 4/10 . Coating with a protective layer; Compositions or apparatus therefor
- 4/12 . Preserving with acids; Acid fermentation
- 4/14 . Preserving with chemicals not covered by groups [A23B 4/02](#) or [A23B 4/12](#)
- 4/16 . . in the form of gases, e.g. fumigation; Compositions or apparatus therefor
- 4/18 . . in the form of liquids or solids ([apparatus therefor A23B 4/26](#), [A23B 4/32](#))
- 4/20 . . . Organic compounds; Microorganisms; Enzymes
- 4/22 Microorganisms; Enzymes; {Antibiotics}
- 4/24 . . . Inorganic compounds
- 4/26 . Apparatus for preserving using liquids {; Processes therefor}
- 4/28 . . by injection of liquids

- 4/285 . . . {with inorganic salts}
- 4/30 . . by spraying of liquids
- 4/305 . . . {with inorganic salts}
- 4/32 . Apparatus for preserving using solids
- 4/325 . . {with inorganic salts}
- 5/00 Preservation of eggs or egg products**
- 5/005 . Preserving by heating
- 5/0052 . . {in the shell}
- 5/0055 . . {without the shell}
- 5/0057 . . . {with packages}
- 5/01 . . by irradiation or electric treatment
- 5/015 . Preserving by irradiation or electric treatment without heating effect
- 5/02 . Drying; Subsequent reconstitution
- 5/022 . . {Drying with use of gas or vacuum}
- 5/025 . . {Drying} with addition of chemicals ([A23B 5/03](#), [A23B 5/035](#) take precedence)
- 5/0255 . . . {Drying with use of liquids, e.g. by extraction}
- 5/03 . . Freeze-drying {, i.e. cryodesiccation or lyophilisation; Apparatus therefor}
- 5/035 . . Spray-drying
- 5/04 . Freezing; Subsequent thawing; Cooling
- 5/041 . . {Freezing or cooling without shell ([A23B 5/05](#) takes precedence)}
- 5/043 . . . {with packages}
- 5/045 . . Thawing subsequent to freezing
- 5/05 . . {Freezing or cooling} with addition of chemicals
- 5/055 . . . with direct contact between the food and the chemical, e.g. liquid nitrogen, at cryogenic temperature
- 5/06 . Coating eggs with a protective layer; Compositions or apparatus therefor
- 5/065 . . {Apparatus for coating}
- 5/08 . Preserving with chemicals
- 5/10 . . in the form of gases, e.g. fumigation; Compositions or apparatus therefor
- 5/12 . . in the form of liquids or solids
- 5/14 . . . Organic compounds; Microorganisms; Enzymes
- 5/16 Microorganisms; Enzymes
- 5/18 . . . Inorganic compounds
- 5/20 . . . Apparatus for preserving using liquids
- 5/22 . . . Apparatus for preserving using solids

7/00 Preservation of fruit or vegetables; Chemical ripening of fruit or vegetables

WARNING

Group [A23B 7/00](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/005 . Preserving by heating

WARNING

Group [A23B 7/005](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/0053 . . {by direct or indirect contact with heating gases or liquids}

WARNING

Group [A23B 7/0053](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/0056 . . . {with packages}

WARNING

Group [A23B 7/0056](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/01 . . by irradiation or electric treatment

WARNING

Group [A23B 7/01](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/012 . . . {with packages}

WARNING

Group [A23B 7/012](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/015 . Preserving by irradiation or electric treatment without heating effect

WARNING

Group [A23B 7/015](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/02 . Dehydrating; Subsequent reconstitution ([dried cooked potatoes A23L 19/12](#))

WARNING

Group [A23B 7/02](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/0205 . . {by contact of the material with fluids, e.g. drying gas or extracting liquids}

WARNING

Group [A23B 7/0205](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/021 . . {Foam drying}

WARNING

Group [A23B 7/021](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/0215 . . {Post-treatment of dried fruits or vegetables}

WARNING

Group [A23B 7/0215](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/022 . . with addition of chemicals {before or during drying, e.g. semi-moist products} ([A23B 7/024](#) - [A23B 7/028](#) take precedence)

WARNING

Group [A23B 7/022](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/024 . . Freeze-drying {, i.e. cryodesiccation or lyophilisation}

WARNING

Group [A23B 7/024](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/026 . . Spray-drying

WARNING

Group [A23B 7/026](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/028 . . Thin layer-, drum- or roller-drying {or by contact with a hot surface}

WARNING

Group [A23B 7/028](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/03 . . Drying raw potatoes

- 7/04 . Freezing; Subsequent thawing; Cooling

WARNING

Group [A23B 7/04](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/0408 . . {Materials being transported through or in the apparatus with or without shaping, e.g. in the form of powders, granules or flakes ([A23B 7/05](#) takes precedence; moving on the spot only [A23B 7/0425](#))}

WARNING

Group [A23B 7/0408](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/0416 . . . {with packages or with shaping in the form of blocks or portions}

WARNING

Group [A23B 7/0416](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/0425 . . {Materials not being transported through or in the apparatus, with or without shaping, e.g. in the form of powders, granules or flakes ([A23B 7/05](#) takes precedence)}

WARNING

Group [A23B 7/0425](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/0433 . . . {with packages or with shaping in the form of blocks or portions}

WARNING

Group [A23B 7/0433](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/0441 . . {Treatment other than blanching preparatory to freezing}

WARNING

Group [A23B 7/0441](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/045 . . Thawing subsequent to freezing

WARNING

Group [A23B 7/045](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/05 . . with addition of chemicals {or treatment with chemicals other than cryogenics, before or during cooling, e.g. in the form of an ice coating or frozen block}

WARNING

Group [A23B 7/05](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/055 . . . with direct contact between the food and the chemical, e.g. liquid N₂, at cryogenic temperature

WARNING

Group [A23B 7/055](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/06 . Blanching (machines therefor [A23N 12/00](#))

WARNING

Group [A23B 7/06](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/08 . Preserving with sugars (marmalade, jam or fruit jellies [A23L 21/10](#))

WARNING

Group [A23B 7/08](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/085 . . {in a solution of sugar}

WARNING

Group [A23B 7/085](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/10 . Preserving with acids; Acid fermentation

WARNING

Group [A23B 7/10](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/105 . . {Leaf vegetables, e.g. sauerkraut}

- 7/12 . . Apparatus for compressing sauerkraut

- 7/14 . Preserving or ripening with chemicals not covered by group [A23B 7/08](#) or [A23B 7/10](#)

WARNING

Group [A23B 7/14](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/144 . . in the form of gases, e.g. fumigation; Compositions or apparatus therefor

WARNING

Group [A23B 7/144](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/148 . . . in a controlled atmosphere, e.g. partial vacuum, comprising only CO₂, N₂, O₂ or H₂O

WARNING

Group [A23B 7/148](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/152 . . . in a controlled atmosphere comprising other gases in addition to CO₂, N₂, O₂ or H₂O {; Elimination of such other gases}

WARNING

Group [A23B 7/152](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/153 . . in the form of liquids or solids

WARNING

Group [A23B 7/153](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/154 . . . Organic compounds; Microorganisms; Enzymes

WARNING

Group [A23B 7/154](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/155 Microorganisms; Enzymes {; Antibiotics}

WARNING

Group [A23B 7/155](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/157 . . . Inorganic compounds

WARNING

Group [A23B 7/157](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/158 . . . Apparatus for preserving using liquids

WARNING

Group [A23B 7/158](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/159 . . . Apparatus for preserving using solids

WARNING

Group [A23B 7/159](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 7/16 . Coating with a protective layer; Compositions or apparatus therefor ([A23B 7/08](#) takes precedence)

WARNING

Group [A23B 7/16](#) is impacted by reclassification into groups [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/00 **Preservation of edible seeds, e.g. cereals (preservation of pulses [A23B 75/00](#))**

WARNING

Group [A23B 9/00](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/005 . {Processes or apparatus using pressure variation or mechanical force, e.g. shock, acceleration, shear stress or contortion}

WARNING

Group [A23B 9/005](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/02 . Preserving by heating

WARNING

Group [A23B 9/02](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/025 . . {with use of gases}

WARNING

Group [A23B 9/025](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/04 . . by irradiation or electric treatment

WARNING

Group [A23B 9/04](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/06 . Preserving by irradiation or electric treatment without heating effect

WARNING

Group [A23B 9/06](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/08 . Drying; Subsequent reconstitution

WARNING

Group [A23B 9/08](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/10 . Freezing; Subsequent thawing; Cooling

WARNING

Group [A23B 9/10](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/12 . . Thawing subsequent to freezing

WARNING

Group [A23B 9/12](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/14 . Coating with a protective layer; Compositions or apparatus therefor

WARNING

Group [A23B 9/14](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/16 . Preserving with chemicals

WARNING

Group [A23B 9/16](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/18 . . in the form of gases, e.g. fumigation; Compositions or apparatus therefor

WARNING

Group [A23B 9/18](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/20 . . . in a controlled atmosphere, e.g. partial vacuum, comprising only CO₂, N₂, O₂ or H₂O

WARNING

Group [A23B 9/20](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/22 . . . in a controlled atmosphere comprising other gases in addition to CO₂, N₂, O₂ or H₂O

WARNING

Group [A23B 9/22](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/24 . . in the form of liquids or solids

WARNING

Group [A23B 9/24](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/26 . . . Organic compounds; Microorganisms; Enzymes

WARNING

Group [A23B 9/26](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).

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

- 9/28 Microorganisms; Enzymes {; Antibiotics}
- WARNING**
- Group [A23B 9/28](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- 9/30 . . . Inorganic compounds
- WARNING**
- Group [A23B 9/30](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- 9/32 . . . Apparatus for preserving using liquids
- WARNING**
- Group [A23B 9/32](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- 9/34 . . . Apparatus for preserving using solids
- WARNING**
- Group [A23B 9/34](#) is impacted by reclassification into groups [A23B 75/00](#), [A23B 80/00](#), [A23B 85/00](#) and [A23B 90/00](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- 11/00 Preservation of milk or dairy products**
- WARNING**
- Group [A23B 11/00](#) is incomplete pending reclassification of documents from group [A23C 7/00](#).
- Groups [A23C 7/00](#) and [A23B 11/00](#) should be considered in order to perform a complete search.
- 11/10 . Preservation of milk or milk preparations
- WARNING**
- Group [A23B 11/10](#) is incomplete pending reclassification of documents from group [A23C 9/00](#).
- Groups [A23C 9/00](#) and [A23B 11/10](#) should be considered in order to perform a complete search.
- 11/102 . . {Storing or packaging in a vacuum or in inert or sterile gaseous atmosphere (impregnation with inert gases [A23C 9/1524](#))}
- 11/12 . . by heating (by irradiation, e.g. by microwaves [A23B 11/16](#))
- 11/123 . . . in packages
- 11/127 progressively transported through the apparatus
- 11/13 . . . the materials being loose unpacked
- 11/1303 {Apparatus through which the material is transported non progressively; Temperature-maintaining holding tanks or vats with discontinuous filling or discharge}
- 11/133 and progressively transported through the apparatus
- 11/1332 {in contact with multiple heating plates}
- 11/1334 {the milk being heated by electrical or mechanical means, e.g. by friction}
- 11/1336 {the milk flowing through with indirect heat exchange, containing rotating elements, e.g. for improving the heat exchange}
- 11/137 in direct contact with the heating medium, e.g. steam
- 11/1375 {by pulverisation of the milk, including free falling film}
- 11/14 . . by freezing or cooling
- 11/1403 . . . {Freezing in loose unpacked form}
- 11/145 . . . in packages
- 11/1455 {Freezing in packages}
- 11/16 . . by irradiation, e.g. by microwaves
- 11/162 . . . {by sonic or ultrasonic waves}
- 11/164 . . . {by ultraviolet or infrared radiation}
- 11/18 . . by addition of preservatives (addition of microorganisms or enzymes [A23C 9/12](#); addition of other substances [A23C 9/152](#))
- 11/182 . . . {Inorganic compounds, e.g. lactoperoxidase - H₂O₂ systems}
- 11/20 . Preservation of milk substitutes
- WARNING**
- Group [A23B 11/20](#) is incomplete pending reclassification of documents from group [A23C 11/00](#).
- Groups [A23C 11/00](#) and [A23B 11/20](#) should be considered in order to perform a complete search.
- 11/22 . . containing non-milk components as source of fats or proteins (preservation of whey or whey preparations containing non-milk components as source of fats or proteins [A23B 11/84](#))
- WARNING**
- Group [A23B 11/22](#) is incomplete pending reclassification of documents from group [A23C 11/02](#).
- Groups [A23C 11/02](#) and [A23B 11/22](#) should be considered in order to perform a complete search.

- 11/23 . . . containing non-milk fats but no non-milk proteins ([A23B 11/27](#), [A23B 11/29](#) take precedence)
WARNING
 Group [A23B 11/23](#) is incomplete pending reclassification of documents from group [A23C 11/04](#).
 Groups [A23C 11/04](#) and [A23B 11/23](#) should be considered in order to perform a complete search.
- 11/233 {obtained by mixing non-fat components in powdered form with the non-milk fats or by dry mixing of the components}
WARNING
 Group [A23B 11/233](#) is incomplete pending reclassification of documents from group [A23C 11/045](#).
 Groups [A23C 11/045](#) and [A23B 11/233](#) should be considered in order to perform a complete search.
- 11/25 . . . containing non-milk proteins ([A23B 11/27](#), [A23B 11/29](#) take precedence)
WARNING
 Group [A23B 11/25](#) is incomplete pending reclassification of documents from group [A23C 11/06](#).
 Groups [A23C 11/06](#) and [A23B 11/25](#) should be considered in order to perform a complete search.
- 11/253 {Microbial proteins, inactivated yeast or animal proteins}
WARNING
 Group [A23B 11/253](#) is incomplete pending reclassification of documents from group [A23C 11/065](#).
 Groups [A23C 11/065](#) and [A23B 11/253](#) should be considered in order to perform a complete search.
- 11/27 . . . containing caseinates but no other milk proteins or milk fats
WARNING
 Group [A23B 11/27](#) is incomplete pending reclassification of documents from group [A23C 11/08](#).
 Groups [A23C 11/08](#) and [A23B 11/27](#) should be considered in order to perform a complete search.

- 11/29 . . . containing or not lactose but no other milk components as source of fats, carbohydrates or proteins
WARNING
 Group [A23B 11/29](#) is incomplete pending reclassification of documents from group [A23C 11/10](#).
 Groups [A23C 11/10](#) and [A23B 11/29](#) should be considered in order to perform a complete search.
- 11/293 {containing only proteins from pulses, oilseeds or nuts, e.g. nut milk}
WARNING
 Group [A23B 11/293](#) is incomplete pending reclassification of documents from group [A23C 11/103](#).
 Groups [A23C 11/103](#) and [A23B 11/293](#) should be considered in order to perform a complete search.
- 11/295 {Addition of, or treatment with, microorganisms ([A23B 11/75](#) takes precedence)}
WARNING
 Group [A23B 11/295](#) is incomplete pending reclassification of documents from group [A23C 11/106](#).
 Groups [A23C 11/106](#) and [A23B 11/295](#) should be considered in order to perform a complete search.
- 11/30 . Preservation of cream or cream preparations
WARNING
 Group [A23B 11/30](#) is incomplete pending reclassification of documents from group [A23C 13/00](#).
 Groups [A23C 13/00](#) and [A23B 11/30](#) should be considered in order to perform a complete search.
- 11/302 . . {Freezing; Subsequent melting}
- 11/35 . . by addition of preservatives (containing or treated with microorganisms, enzymes or antibiotics [A23C 13/16](#))
- 11/40 . Preservation of butter or butter preparations
WARNING
 Group [A23B 11/40](#) is incomplete pending reclassification of documents from group [A23C 15/00](#).
 Groups [A23C 15/00](#) and [A23B 11/40](#) should be considered in order to perform a complete search.
- 11/45 . . by addition of preservatives

- 11/50 . Preservation of buttermilk or buttermilk preparations

WARNING

Group [A23B 11/50](#) is incomplete pending reclassification of documents from group [A23C 17/00](#).

Groups [A23C 17/00](#) and [A23B 11/50](#) should be considered in order to perform a complete search.

- 11/55 . . containing, or treated with, microorganisms or enzymes

WARNING

Group [A23B 11/55](#) is incomplete pending reclassification of documents from group [A23C 17/02](#).

Groups [A23C 17/02](#) and [A23B 11/55](#) should be considered in order to perform a complete search.

- 11/60 . Preservation of cheese or cheese preparations

WARNING

Group [A23B 11/60](#) is incomplete pending reclassification of documents from group [A23C 19/00](#).

Groups [A23C 19/00](#) and [A23B 11/60](#) should be considered in order to perform a complete search.

- 11/602 . . {Pasteurisation; Sterilisation; Hot packaging}

- 11/604 . . {Freezing; Treating cheese in frozen state; Thawing of frozen cheese}

- 11/65 . . by addition of preservatives

- 11/652 . . . {Inorganic compounds; Inert or noble gases; Carbon dioxide}

- 11/67 . . . of antibiotics

- 11/70 . Preservation of cheese substitutes

WARNING

Group [A23B 11/70](#) is incomplete pending reclassification of documents from group [A23C 20/00](#).

Groups [A23C 20/00](#) and [A23B 11/70](#) should be considered in order to perform a complete search.

- 11/703 . . {mainly containing proteins from pulses or oilseeds}

WARNING

Group [A23B 11/703](#) is incomplete pending reclassification of documents from group [A23C 20/005](#).

Groups [A23C 20/005](#) and [A23B 11/703](#) should be considered in order to perform a complete search.

- 11/75 . . containing neither milk components, nor caseinate, nor lactose, as sources of fats, proteins or carbohydrates

WARNING

Group [A23B 11/75](#) is incomplete pending reclassification of documents from group [A23C 20/02](#).

Groups [A23C 20/02](#) and [A23B 11/75](#) should be considered in order to perform a complete search.

- 11/753 . . . {mainly containing proteins from pulses or oilseeds}

WARNING

Group [A23B 11/753](#) is incomplete pending reclassification of documents from group [A23C 20/025](#).

Groups [A23C 20/025](#) and [A23B 11/753](#) should be considered in order to perform a complete search.

- 11/80 . Preservation of whey or whey preparations (preservation of milk or milk preparations [A23B 11/10](#))

WARNING

Group [A23B 11/80](#) is incomplete pending reclassification of documents from group [A23C 21/00](#).

Groups [A23C 21/00](#) and [A23B 11/80](#) should be considered in order to perform a complete search.

- 11/82 . . containing, or treated with, microorganisms or enzymes

WARNING

Group [A23B 11/82](#) is incomplete pending reclassification of documents from group [A23C 21/02](#).

Groups [A23C 21/02](#) and [A23B 11/82](#) should be considered in order to perform a complete search.

- 11/823 . . . {Lactose hydrolysing enzymes, e.g. lactase or B-galactosidase}

WARNING

Group [A23B 11/823](#) is incomplete pending reclassification of documents from group [A23C 21/023](#).

Groups [A23C 21/023](#) and [A23B 11/823](#) should be considered in order to perform a complete search.

- 11/825 . . . {containing, or treated only with, lactic acid producing bacteria, bifidobacteria or propionic acid bacteria}

WARNING

Group [A23B 11/825](#) is incomplete pending reclassification of documents from group [A23C 21/026](#).

Groups [A23C 21/026](#) and [A23B 11/825](#) should be considered in order to perform a complete search.

- 11/84 . . containing non-milk components as source of fats or proteins

WARNING

Group [A23B 11/84](#) is incomplete pending reclassification of documents from group [A23C 21/04](#).

Groups [A23C 21/04](#) and [A23B 11/84](#) should be considered in order to perform a complete search.

- 11/86 . . Mixtures of whey with milk products or milk components

WARNING

Group [A23B 11/86](#) is incomplete pending reclassification of documents from group [A23C 21/06](#).

Groups [A23C 21/06](#) and [A23B 11/86](#) should be considered in order to perform a complete search.

- 11/87 . . containing other organic additives, e.g. vegetable or animal products

WARNING

Group [A23B 11/87](#) is incomplete pending reclassification of documents from group [A23C 21/08](#).

Groups [A23C 21/08](#) and [A23B 11/87](#) should be considered in order to perform a complete search.

- 11/88 . . containing inorganic additives

WARNING

Group [A23B 11/88](#) is incomplete pending reclassification of documents from group [A23C 21/10](#).

Groups [A23C 21/10](#) and [A23B 11/88](#) should be considered in order to perform a complete search.

20/00 Preservation of edible oils or fats

WARNING

Group [A23B 20/00](#) is incomplete pending reclassification of documents from groups [A23D 7/00](#) and [A23D 9/00](#).

Groups [A23D 7/00](#), [A23D 9/00](#) and [A23B 20/00](#) should be considered in order to perform a complete search.

- 20/10 . Preservation of edible oil or fat compositions containing an aqueous phase, e.g. margarines

- 20/30 . Preservation of other edible oils or fats, e.g. shortenings or cooking oils

40/00 Preservation of flour or dough before baking

WARNING

Group [A23B 40/00](#) is incomplete pending reclassification of documents from groups [A21D 6/00](#), [A21D 6/006](#) and [A21D 6/008](#).

Group [A23B 40/00](#) is also impacted by reclassification into groups [A23B 40/10](#), [A23B 40/30](#), [A23B 40/50](#) and [A23B 40/60](#).

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

- 40/10 . by cooling

WARNING

Group [A23B 40/10](#) is incomplete pending reclassification of documents from groups [A23B 40/00](#), [A21D 6/00](#) and [A21D 6/001](#).

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

- 40/30 . by heating

WARNING

Group [A23B 40/30](#) is incomplete pending reclassification of documents from groups [A23B 40/00](#), [A21D 6/00](#) and [A21D 6/003](#).

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

- 40/50 . by irradiation

WARNING

Group [A23B 40/50](#) is incomplete pending reclassification of documents from groups [A23B 40/00](#), [A21D 6/00](#) and [A21D 6/005](#).

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

- 40/60 . by storage in an inert atmosphere

WARNING

Group [A23B 40/60](#) is incomplete pending reclassification of documents from groups [A23B 40/00](#) and [A21D 6/00](#).

Groups [A23B 40/00](#), [A21D 6/00](#) and [A23B 40/60](#) should be considered in order to perform a complete search.

45/00 Preservation of finished bakery products

WARNING

Group [A23B 45/00](#) is incomplete pending reclassification of documents from group [A21D 15/00](#).

Groups [A21D 15/00](#) and [A23B 45/00](#) should be considered in order to perform a complete search.

- 45/10 . by cooling
- WARNING**
- Group [A23B 45/10](#) is incomplete pending reclassification of documents from group [A21D 15/02](#).
- Groups [A21D 15/02](#) and [A23B 45/10](#) should be considered in order to perform a complete search.
- 45/30 . by heating
- WARNING**
- Group [A23B 45/30](#) is incomplete pending reclassification of documents from group [A21D 15/04](#).
- Groups [A21D 15/04](#) and [A23B 45/30](#) should be considered in order to perform a complete search.
- 45/50 . by irradiation
- WARNING**
- Group [A23B 45/50](#) is incomplete pending reclassification of documents from group [A21D 15/06](#).
- Groups [A21D 15/06](#) and [A23B 45/50](#) should be considered in order to perform a complete search.
- 45/70 . by coating
- WARNING**
- Group [A23B 45/70](#) is incomplete pending reclassification of documents from group [A21D 15/08](#).
- Groups [A21D 15/08](#) and [A23B 45/70](#) should be considered in order to perform a complete search.
- 70/00 Preservation of non-alcoholic beverages**
(preservation of beverages from legumes [A23B 75/10](#); preservation of beverages containing tea, tea substitutes or herbal tea [A23B 85/10](#); preservation of beverages containing coffee or coffee substitutes [A23B 90/10](#))
- WARNING**
- Group [A23B 70/00](#) is impacted by reclassification into groups [A23B 70/20](#), [A23B 75/10](#), [A23B 85/10](#) and [A23B 90/10](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- 70/10 . by addition of preservatives
- 70/20 . by cooling
- WARNING**
- Group [A23B 70/20](#) is incomplete pending reclassification of documents from group [A23B 70/00](#).
- Groups [A23B 70/00](#) and [A23B 70/20](#) should be considered in order to perform a complete search.
- 70/30 . by heating
- 70/35 . . by irradiation or electric treatment

- 70/50 . by irradiation or electric treatment, without heating
- 75/00 Preservation of pulses; Preservation of products from legumes**
- WARNING**
- Group [A23B 75/00](#) is incomplete pending reclassification of documents from groups [A23B 9/00](#), [A23B 9/005](#), [A23B 9/02](#), [A23B 9/025](#), [A23B 9/04](#), [A23B 9/06](#), [A23B 9/08](#), [A23B 9/10](#), [A23B 9/12](#), [A23B 9/14](#), [A23B 9/16](#), [A23B 9/18](#), [A23B 9/20](#), [A23B 9/22](#), [A23B 9/24](#), [A23B 9/26](#), [A23B 9/28](#), [A23B 9/30](#), [A23B 9/32](#), [A23B 9/34](#), [A23L 11/00](#), [A23L 11/01](#), [A23L 11/03](#), [A23L 11/05](#), [A23L 11/07](#), [A23L 11/10](#), [A23L 11/30](#), [A23L 11/31](#), [A23L 11/32](#), [A23L 11/33](#), [A23L 11/34](#), [A23L 11/35](#), [A23L 11/36](#), [A23L 11/37](#), [A23L 11/40](#), [A23L 11/45](#), [A23L 11/50](#), and [A23L 11/70](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- 75/10 . Preservation of beverages from legumes, e.g. soy drinks
- WARNING**
- Group [A23B 75/10](#) is incomplete pending reclassification of documents from groups [A23B 70/00](#), [A23L 11/60](#) and [A23L 11/65](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- 80/00 Preservation of cocoa or cocoa products**
- WARNING**
- Group [A23B 80/00](#) is incomplete pending reclassification of documents from groups [A23B 2/00](#) - [A23B 2/53](#), [A23B 2/57](#), [A23B 2/60](#) - [A23B 2/605](#), [A23B 2/70](#) - [A23B 2/97](#), [A23B 7/00](#) - [A23B 7/16](#), [A23B 9/00](#) - [A23B 9/34](#) and [A23G 1/00](#) - [A23G 1/56](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- 85/00 Preservation of tea, tea substitutes or herbal tea**
- WARNING**
- Group [A23B 85/00](#) is incomplete pending reclassification of documents from groups [A23B 2/00](#) - [A23B 2/53](#), [A23B 2/57](#), [A23B 2/60](#) - [A23B 2/605](#), [A23B 2/70](#) - [A23B 2/97](#), [A23B 7/00](#) - [A23B 7/16](#), [A23B 9/00](#) - [A23B 9/34](#) and [A23F 3/00](#) - [A23F 3/426](#).
- All groups listed in this Warning should be considered in order to perform a complete search.

- 85/10 . Preservation of beverages containing tea, tea substitutes or herbal tea

WARNING

Group [A23B 85/10](#) is incomplete pending reclassification of documents from group [A23B 70/00](#).

Groups [A23B 70/00](#) and [A23B 85/10](#) should be considered in order to perform a complete search.

- 90/00 **Preservation of coffee or coffee substitutes**

WARNING

Group [A23B 90/00](#) is incomplete pending reclassification of documents from groups [A23B 2/00](#) - [A23B 2/53](#), [A23B 2/57](#), [A23B 2/60](#) - [A23B 2/605](#), [A23B 2/70](#) - [A23B 2/97](#), [A23B 7/00](#) - [A23B 7/16](#), [A23B 9/00](#) - [A23B 9/34](#) and [A23F 5/00](#) - [A23F 5/505](#).

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

- 90/10 . Preservation of beverages containing coffee or coffee substitutes

WARNING

Group [A23B 90/10](#) is incomplete pending reclassification of documents from group [A23B 70/00](#).

Groups [A23B 70/00](#) and [A23B 90/10](#) should be considered in order to perform a complete search.

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- 99/00 **Subject matter not provided for in other groups of this subclass**