

CPC COOPERATIVE PATENT CLASSIFICATION

A21D TREATMENT, e.g. PRESERVATION, OF FLOUR OR DOUGH, e.g. BY ADDITION OF MATERIALS; BAKING; BAKERY PRODUCTS; PRESERVATION THEREOF

2/00 Treatment of flour or dough by adding materials thereto ([A21D 10/00](#) takes precedence)

NOTE

In groups [A21D 2/02](#) - [A21D 2/40](#), the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, a substance is classified in the last appropriate place.

- 2/02 . by adding inorganic substances
- 2/04 . . Oxygen; Oxygen-generating compounds, e.g. ozone, peroxides
- 2/06 . . Reducing agents
- 2/08 . by adding organic substances
- 2/10 . . Hydrocarbons
- 2/12 . . Halohydrocarbons
- 2/14 . . Organic oxygen compounds
- 2/145 . . . {Acids, anhydrides or salts thereof}
- 2/16 . . . Fatty acid esters
- 2/165 {Triglycerides}
- 2/18 . . . Carbohydrates
- 2/181 {Sugars or sugar alcohols (honey [A21D 2/34](#))}
- 2/183 {Natural gums}
- 2/185 {Biosynthetic gums}
- 2/186 {Starches; Derivatives thereof}
- 2/188 {Cellulose; Derivatives thereof}
- 2/20 . . . Peroxides
- 2/22 . . . Ascorbic acid
- 2/24 . . Organic nitrogen compounds
- 2/245 . . . {Amino acids, nucleic acids}
- 2/26 . . . Proteins
- 2/261 {Animal proteins}
- 2/262 {from eggs}
- 2/263 {from dairy products}
- 2/264 {Vegetable proteins}
- 2/265 {from cereals, flour, bran}
- 2/266 {from leguminous or other vegetable seeds; from press-cake or oil bearing seeds}
- 2/267 {Microbial proteins}
- 2/268 {Hydrolysates from proteins (hydrolysis of proteins [A23J 3/30](#))}
- 2/28 . . Organic sulfur compounds
- 2/30 . . Organic phosphorus compounds
- 2/32 . . . Phosphatides
- 2/34 . . Animal material
- 2/36 . . Vegetable material
- 2/362 . . . {Leguminous plants}
- 2/364 . . . {Nuts, e.g. cocoa}
- 2/366 . . . {Tubers, roots}
- 2/368 . . . {Fermentation by-products, e.g. grapes, hops}
- 2/38 . . . Seed germs; Germinated cereals; Extracts thereof

2/40 . Apparatus for the chemical treatment of flour or dough

4/00 Preserving flour or dough before baking by storage in an inert atmosphere

6/00 Other treatment of flour or dough before baking, e.g. cooling, irradiating, heating

- 6/001 . {Cooling}
- 6/003 . {Heat treatment}
- 6/005 . {Irradiation (irradiation of foodstuffs [A23L 3/26](#))}
- 6/006 . {Agglomeration of flour}
- 6/008 . {Freeze-drying}

8/00 Methods for preparing dough or for baking ([A21D 2/00](#) takes precedence)

- 8/02 . Methods for preparing dough; Treating dough prior to baking (machines or equipment for making or processing dough [A21C](#))
- 8/025 . . {Treating dough with gases}
- 8/04 . . Treating dough with micro-organisms or enzymes
- 8/042 . . . {with enzymes}
- 8/045 . . . {with a leaven or a composition containing acidifying bacteria}
- 8/047 . . . {with yeasts}
- 8/06 . Baking processes (bakers' ovens [A21B](#))
- 8/08 . Prevention of sticking, e.g. to baking plates
- 8/10 . . using dusting powders

10/00 Batters, dough or mixtures before baking

- 10/002 . {Dough mixes; Baking or bread improvers; Premixes}
- 10/005 . . {Solid, dry or compact materials; Granules; Powders}
- 10/007 . . {Liquids or pumpable materials}
- 10/02 . Ready-for-oven doughs
- 10/025 . . {Packaged doughs (packaging bakery products [B65B](#), [B65D](#))}
- 10/04 . Batters
- 10/045 . . {Packaged batters (packaging bakery products [B65B](#), [B65D](#))}

13/00 Finished or partly finished bakery products

- 13/02 . Products made from whole meal; Products containing bran or rough-ground grain
- 13/04 . Products made from materials other than rye or wheat flour

WARNING

Group [A21D 13/04](#) is impacted by reclassification into groups [A21D 13/043](#), [A21D 13/045](#) and [A21D 13/047](#).

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

- 13/043 . . from tubers, e.g. manioc or potato

WARNING

Group [A21D 13/043](#) is incomplete pending reclassification of documents from group [A21D 13/04](#).

Groups [A21D 13/04](#) and [A21D 13/043](#) should be considered in order to perform a complete search.

- 13/045 . . from leguminous plants

WARNING

Group [A21D 13/045](#) is incomplete pending reclassification of documents from group [A21D 13/04](#).

Groups [A21D 13/04](#) and [A21D 13/045](#) should be considered in order to perform a complete search.

- 13/047 . . from cereals other than rye or wheat, e.g. rice

WARNING

Group [A21D 13/047](#) is incomplete pending reclassification of documents from group [A21D 13/04](#).

Groups [A21D 13/04](#) and [A21D 13/047](#) should be considered in order to perform a complete search.

- 13/06 . Products with modified nutritive value, e.g. with modified starch content
- 13/062 . . with modified sugar content; Sugar-free products
- 13/064 . . with modified protein content
- 13/066 . . . Gluten-free products
- 13/068 . . with modified fat content; Fat-free products
- 13/10 . Multi-layered products
- 13/11 . . made of two or more doughs, e.g. differing in composition, colour or structure
- 13/13 . . . with coatings
- 13/14 . . . with fillings
- 13/16 . . Multi-layered pastry, e.g. puff pastry; Danish pastry or laminated dough
- 13/17 . . . with coatings
- 13/19 . . . with fillings
- 13/20 . Partially or completely coated products ([multi-layered bakery products with coatings A21D 13/13, A21D 13/17](#))
- 13/22 . . coated before baking
- 13/24 . . coated after baking
- 13/26 . . the coating forming a barrier against migration
- 13/28 . . characterised by the coating composition
- 13/30 . Filled, to be filled or stuffed products ([multi-layered products with fillings A21D 13/14, A21D 13/19](#))
- 13/31 . . filled before baking
- 13/32 . . filled or to be filled after baking, e.g. sandwiches
- 13/33 . . . Edible containers, e.g. cups or cones
- 13/34 . . the filling forming a barrier against migration
- 13/36 . . Filled wafers
- 13/37 . . Co-extruded products, i.e. products obtained by simultaneous extrusion of the dough and the filling
- 13/38 . . characterised by the filling composition

- 13/40 . Products characterised by the type, form or use

WARNING

Group [A21D 13/40](#) is impacted by reclassification into groups [A21D 13/43](#), [A21D 13/40](#) and [A21D 13/43](#)

should be considered in order to perform a complete search.

- 13/41 . . Pizzas
- 13/42 . . Tortillas
- 13/43 . . Flatbreads, e.g. naan

WARNING

Group [A21D 13/43](#) is incomplete pending reclassification of documents from group [A21D 13/40](#).

Groups [A21D 13/40](#) and [A21D 13/43](#) should be considered in order to perform a complete search.

- 13/44 . . Pancakes or crêpes
- 13/45 . . Wafers ([filled wafers A21D 13/36](#))
- 13/46 . . Croutons
- 13/47 . . Decorated or decorative products
- 13/48 . . Products with an additional function other than for eating, e.g. toys or cutlery
- 13/50 . Solidified foamed products, e.g. meringues
- 13/60 . Deep-fried products, e.g. doughnuts
- 13/80 . Pastry not otherwise provided for elsewhere, e.g. cakes, biscuits or cookies
- 15/00 Preserving finished {or partly finished (par-baked) bakery products (refreshing [A21D 17/00](#), packaging or wrapping bakery products [B65B](#), [B65D](#))}**
- 15/02 . by cooling, {e.g. refrigeration, freezing}
- 15/04 . by heat treatment, {e.g. sterilisation, pasteurisation}
- 15/06 . by irradiation, {e.g. with microbiocidal agents, with protective films}
- 15/08 . by coating, {e.g. with microbiocidal agents, with protective films}
- 17/00 Refreshing bakery products {or recycling bakery products}**
- 17/002 . {Recycling, e.g. for use in baking or for animal consumption}
- 17/004 . {refreshing by thawing or heating}
- 17/006 . . {with microwaves}
- 17/008 . {Refreshing by steam treatment}