**CPC - COOPERATIVE PATENT CLASSIFICATION**

**F**

MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING

(NOTE omitted)

**LIGHTING; HEATING**

**F25**

REFRIGERATION OR COOLING; COMBINED HEATING AND REFRIGERATION SYSTEMS; HEAT PUMP SYSTEMS; MANUFACTURE OR STORAGE OF ICE; LIQUEFACTION SOLIDIFICATION OF GASES

**F25C**

PRODUCING, WORKING OR HANDLING ICE

**NOTE**

In this subclass, the following term is used with the meaning indicated:

- **“ice”** means any frozen liquid and also covers frozen semiliquids or pasty substances.

1/00 Producing ice ([F25C 3/00 takes precedence])

1/02 . Producing natural ice, i.e. without refrigeration

1/04 . by using stationary moulds

1/05 . with the open end pointing downwards

1/06 . open or openable at both ends

1/08 . by immersing freezing chambers or plates into water

1/10 . by using rotating or otherwise moving moulds ([F25C 1/08 takes precedence])

1/12 . by freezing water on cooled surfaces, e.g. to form slabs

1/125 . (on flexible surfaces)

1/14 . to form thin sheets which are removed by scraping or wedging, e.g. in the form of flakes

1/142 . from the outer walls of cooled bodies

1/145 . from the inner walls of cooled bodies

1/147 . . . . by using augers

1/16 . by partially evaporating water in a vacuum

1/18 . of a particular transparency or translucency, e.g. by injecting air

1/20 . . by agitation

1/22 . Construction of moulds; Filling devices for moulds

1/24 . . for refrigerators, e.g. freezing trays

1/243 . . . Moulds made of plastics e.g. silicone

1/246 . . . Moulds with separate grid structure

1/25 . . Filling devices for moulds

3/00 Processes or apparatus specially adapted for producing ice or snow for winter sports or similar recreational purposes, e.g. for sporting installations; Producing artificial snow

3/02 . for ice rinks

3/04 . for sludging or ski trails; Producing artificial snow

5/00 Working or handling ice ([F25C 3/00 takes precedence])

5/02 . . Apparatus for disintegrating, removing or harvesting ice

5/04 . . without the use of saws

5/043 . . . [Tools, e.g. ice picks, ice crushers, ice shavers]

5/046 . . . [Ice-crusher machines]

5/06 . . . by deforming bodies with which the ice is in contact, e.g. using inflatable members

5/08 . . . by heating bodies in contact with the ice

5/10 . . . using hot refrigerant; using fluid heated by refrigerant

5/12 . . . Ice-shaving machines

5/14 . . Apparatus for shaping or finishing ice pieces, e.g. ice presses

5/18 . Storing ice

5/182 . . . Ice bins therefor

5/185 . . . with freezing trays

5/187 . . . with ice level sensing means

5/20 . Distributing ice

5/22 . . . (particularly adapted for household refrigerators)

5/24 . . . (for storing bins (ice bins [F25C 5/182]))

2300/00 Special arrangements or features for producing, working or handling ice

2301/00 Special arrangements or features for producing ice slurry

2301/002 . Producing ice slurry

2303/00 Special arrangements or features for producing ice or snow for winter sports or similar recreational purposes, e.g. for sporting installations; Special arrangements or features for producing artificial snow

2303/042 . Snow making by using solid ice, e.g. ice crushing

2303/044 . Snow making using additional features, e.g. additives, liquid gas

2303/046 . Snow making by using low pressure air ventilators, e.g. fan type snow canons

2303/048 . Snow making by using means for spraying water

2303/0481 . . with the use of compressed air

2305/00 Special arrangements or features for working or handling ice

2305/022 . Harvesting ice including rotating or tilting or pivoting of a mould or tray

2400/00 Auxiliary features or devices for producing, working or handling ice

2400/02 . Freezing surface state

2400/04 . Ice guide, e.g. for guiding ice blocks to storage tank

2400/06 . Multiple ice moulds or trays therefor

2400/08 . for different type of ice

2400/10 . Refrigerator units
2400/12 Means for sanitation
2400/14 Water supply

2500/00 Problems to be solved
2500/02 Geometry problems
2500/04 Calculation of parameters
2500/06 Spillage or flooding of water
2500/08 Sticking or clogging of ice

2600/00 Control issues
2600/02 Timing
2600/04 Control means

2700/00 Sensing or detecting of parameters; Sensors therefor
2700/02 Level of ice
2700/04 Level of water
2700/06 Rotation angle of the ejector ejecting ice from a stationary mould
2700/08 Power to drive the auger motor of an auger type ice making machine
2700/10 Rotating speed of the auger motor of an auger type ice making machine
2700/12 Temperature of ice trays
2700/14 Temperature of water