**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**

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 sledging 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

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

- **2303/02** Producing ice slurries

### 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
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<td>2400/12</td>
<td>Means for sanitation</td>
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<tr>
<td>2400/14</td>
<td>Water supply</td>
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<tr>
<td>2500/00</td>
<td><strong>Problems to be solved</strong></td>
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<tr>
<td>2500/02</td>
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<tr>
<td>2600/00</td>
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<td>2600/02</td>
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<td>2600/04</td>
<td>Control means</td>
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<td>2700/00</td>
<td><strong>Sensing or detecting of parameters; Sensors</strong></td>
</tr>
<tr>
<td>2700/02</td>
<td>Level of ice</td>
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<td>2700/04</td>
<td>Level of water</td>
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<tr>
<td>2700/06</td>
<td>Rotation angle of the ejector ejecting ice from a</td>
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<tr>
<td></td>
<td>stationary mould</td>
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<td>2700/08</td>
<td>Power to drive the auger motor of an auger type ice making machine</td>
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<tr>
<td>2700/10</td>
<td>Rotating speed of the auger motor of an auger type ice making machine</td>
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<tr>
<td>2700/12</td>
<td>Temperature of ice trays</td>
</tr>
<tr>
<td>2700/14</td>
<td>Temperature of water</td>
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