**F25C**  
**PRODUCING, WORKING OR HANDLING ICE**

**References**

**Application-oriented references**

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

| Frozen sweets, including ice-cream, their production | A23G 9/00 |

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Concentrating solutions by removing frozen solvents | B01D 9/04 |
| Purification of water by freezing | C02F 1/22 |
| Refrigeration machines, plants, or systems | F25B |
| Refrigerators; cold rooms; ice-boxes; cooling or freezing apparatus | F25D |
| Solidification of gases or gaseous mixtures | F25J |
| Freeze-drying | F26B |

**Special rules of classification**

Control means for production, working, storing or distribution of ice are classified in F25C 2600/00.

Sensors for production, working, storing or distribution of ice are classified in F25C 2700/00.

**Glossary of terms**

*In this place, the following terms or expressions are used with the meaning indicated:*

| Ice | Any frozen liquid and also covers frozen semi-liquids or pasty substances |

**F25C 1/00**

**Producing ice (F25C 3/00 takes precedence)**

**Definition statement**

This place covers:

- Freezers for pelletizing/granulating liquids.
- Production of ice slurries.

**References**

**Limiting references**

This place does not cover:

| Methods or apparatus specially adapted for producing ice or snow for winter sports or similar recreational purposes, e.g. for sporting installations; Producing artificial snow | F25C 3/00 |
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Production of ice slurries | F25C 2301/002 |

F25C 1/06
open or openable at both ends

Definition statement
This place covers:
Production of bar-ice.

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

Definition statement
This place covers:
Rotating or otherwise moving moulds during freezing of water.

References
Limiting references
This place does not cover:
Producing ice by immersing freezing chambers or plates into water F25C 1/08

Special rules of classification
Rotating during harvesting of ice is classified in F25C 5/02 or lower and F25C 2305/022.

F25C 1/22
Construction of moulds; Filling devices for moulds

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Metering volume in general | G01F |
F25C 1/24
for refrigerators, e.g. freezing trays

References
Application-oriented references
Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

| Ice bins combined with freezing trays | F25C 5/185 |

F25C 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

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Spraying apparatus for discharge of liquids or other fluent materials from two or more sources | B05B 7/00 |
| Simulating ice or snow | C09K 3/24 |
| Foundations or pavings for artificial surfaces for outdoor or indoor practice of snow or ice sports | E01C 13/10 |
| Working on surfaces of snow or ice in order to make them suitable for traffic or sporting purposes | E01H 4/00 |

F25C 3/02
for ice rinks

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Shape of rinks | A63C 19/10 |
| Construction of rinks | E01C |
**F25C 3/04**

for sledging or ski trails; Producing artificial snow

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Topic</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special arrangements or features of snow making</td>
<td>F25C 2303/00</td>
</tr>
<tr>
<td>Shape of rinks</td>
<td>A63C 19/10</td>
</tr>
<tr>
<td>Spraying apparatus for discharge of liquids or other fluent materials from two or more sources</td>
<td>B05B 7/00</td>
</tr>
<tr>
<td>Simulating ice or snow</td>
<td>C09K 3/24</td>
</tr>
<tr>
<td>Construction of rinks</td>
<td>E01C 13/10</td>
</tr>
</tbody>
</table>

**Special rules of classification**

Different methods/devices for snow making are classified in F25C 2303/00 and lower.

**F25C 5/00**

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

**References**

**Limiting references**

This place does not cover:

<table>
<thead>
<tr>
<th>Topic</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methods or apparatus specially adapted for the production of ice or snow for winter sports or similar recreational purposes, e.g. for sporting installations; Production of artificial snow</td>
<td>F25C 3/00</td>
</tr>
</tbody>
</table>

**F25C 5/02**

Apparatus for disintegrating, removing or harvesting ice

**Special rules of classification**

Combinations of ice-crusher and ice-shaving machine in one embodiment are classified in F25C 5/02 and in F25C 5/046 and F25C 5/12.

**F25C 5/043**

{Tools, e.g. ice picks, ice crushers, ice shavers}

**Glossary of terms**

In this place, the following terms or expressions are used with the meaning indicated:

<table>
<thead>
<tr>
<th>Tools</th>
<th>hand tools</th>
</tr>
</thead>
</table>
F25C 5/046
{Ice-crusher machines}

Definition statement
This place covers:
Also grinding.

F25C 5/12
Ice-shaving machines

Definition statement
This place covers:
Flake ice and chip ice.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Production of ice by using augers | F25C 1/147 |
| Production of slush ice          | A23G 9/045 |

Synonyms and Keywords
In patent documents, the following words/expressions are often used as synonyms:
- "Flake ice" and "Chip ice"

F25C 5/18
Storing ice

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Cooling bags for medical or therapeutic treatment of the human body, e.g. ice-bags | A61F 7/10 |
| Containers, packaging elements or packages specially adapted for ice-cream | B65D 85/78 |
| Devices using ice, e.g. ice-boxes | F25D 3/02 |
**F25C 5/185**
with freezing trays

**References**

*Informative references*

Attention is drawn to the following places, which may be of interest for search:

| Construction of moulds for refrigerators, e.g. freezing trays | F25C 1/24 |

**F25C 5/187**
with ice level sensing means

**References**

*Informative references*

Attention is drawn to the following places, which may be of interest for search:

| Indicating or measuring liquid level, or level of fluent solid material | G01F 23/00 |
| Level control, e.g. controlling quantity of material stored in vessel | G05D 9/00 |

**F25C 5/22**
{particularly adapted for household refrigerators}

**Special rules of classification**

When emphasis is put on water dispenser classify in F25D 23/126 and F25C 2400/10.

**F25C 5/24**
{for storing bins (ice bins F25C 5/182)}

**References**

*Limiting references*

This place does not cover:

| ice bins | F25C 5/182 |