B02B

PREPARING GRAIN FOR MILLING; REFINING GRANULAR FRUIT TO COMMERCIAL PRODUCTS BY WORKING THE SURFACE (making dough from cereals directly A21C; preservation or sterilisation of cereals A23B; cleaning fruit A23N; preparation of malt C12C)

Definition statement

This place covers:

- Dry and wet processes for preparing and conditioning grain for milling; apparatus for hulling, husking decorticating, polishing and degerminating grains.
- Combinations of such processes and apparatus and auxiliary devices therefore.

References

Informative references

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

<table>
<thead>
<tr>
<th>Process Description</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preservation of edible seeds, e.g. cereals</td>
<td>A23B 9/00</td>
</tr>
<tr>
<td>Animal feeding-stuffs</td>
<td>A23K 10/00</td>
</tr>
<tr>
<td>Foods or foodstuffs; Their preparation or treatment</td>
<td>A23L 5/00</td>
</tr>
<tr>
<td>Machines for hulling, husking or cracking nuts</td>
<td>A23N 5/00</td>
</tr>
<tr>
<td>Peeling vegetables or fruit</td>
<td>A23N 7/00</td>
</tr>
<tr>
<td>Machines for cleaning, Blanching, drying or roasting fruits or vegetables, e.g. coffee, cocoa, nuts</td>
<td>A23N 12/00</td>
</tr>
<tr>
<td>Separating solids from solids by screening, sieving, sifting, sorting in general</td>
<td>B07B, B07C</td>
</tr>
<tr>
<td>Preparation of starch</td>
<td>C08B 30/00</td>
</tr>
<tr>
<td>Production of fats or fatty oils from raw materials</td>
<td>C11B 1/00</td>
</tr>
<tr>
<td>Preparation of oxygen-containing organic compounds Ethanol, i.e. non-beverage</td>
<td>C12P 7/06</td>
</tr>
<tr>
<td>Drying apparatus in general</td>
<td>F26B</td>
</tr>
</tbody>
</table>

Special rules of classification

Japanese documents are very important and the Japanese documentation and classification has to be considered for search, especially for rice.

The Japanese FI-classes related to preparing grain for milling are B02B 1/00 - B02B 7/02 & 109. The corresponding F-term theme code is 4D043 that is useful for searching for adjustment and processing of grain.

B02B 1/00

Preparing grain for milling or like processes (hulling, husking, decorticating, polishing, removing the awns, or degerming B02B 3/00)

Definition statement

This place covers:

Processes for the pre-treatment of grain prior to milling.
Special rules of classification

Specific apparatus suitable for sifting, sorting, drying of grain which are not explicitly in a cooperating relationship with other grain preparing equipment.

B02B 3/00

Hulling; Husking; Decorticating (decorticating textile fibres D01B 1/14); Polishing; Removing the awns (in threshing machines A01F 12/42); Degerming

Definition statement

This place covers:

All kind of apparatus for hulling, husking, polishing etc. of grains having discs, rollers, screws or worms, beaters, brushes or combinations thereof or having fluid means.

B02B 5/00

Grain treatment not otherwise provided for

Definition statement

This place covers:

• Systems or sequences of operations, combined processes and apparatus for the preparation of grain for milling.
• Combinations with milling methods or milling devices.

References

Informative references

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

| Other milling methods or mills specially adapted for grain; Systems or sequences of operations; Plant | B02C 9/04 |

B02B 7/00

Auxiliary devices

Definition statement

This place covers:

• Feeding and discharging devices associated with hulling, husking, polishing etc. machines.
• Sifting and sorting devices associated with hulling, husking, polishing etc. machines.