

**CPC****COOPERATIVE PATENT CLASSIFICATION****B27N**

**MANUFACTURE BY DRY PROCESSES OF ARTICLES, WITH OR WITHOUT ORGANIC BINDING AGENTS, MADE FROM PARTICLES OR FIBRES CONSISTING OF WOOD OR OTHER LIGNOCELLULOSIC OR LIKE ORGANIC MATERIAL** (containing cementitious material [B28B](#); shaping of substances in a plastic state [B29C](#); fibreboards made from fibrous suspensions [D21J](#); drying [F26B 17/00](#))

**NOTE**

This subclass does not cover treatment of compositions which are in a plastic state, or worked by the same type of process or apparatus as plastics, which is covered by subclass [B29B](#) or [B29C](#).

**B27N 1/00****Pretreatment of moulding material**[B27N 1/003](#)

- {for reducing formaldehyde gas emission}

[B27N 1/006](#)

- {for increasing resistance to swelling by humidity}

[B27N 1/02](#)

- Mixing the material with binding agent (mixing in general [B01F](#))

[B27N 1/0209](#)

- . {Methods, e.g. characterised by the composition of the agent}

[B27N 1/0218](#)

- . {in rotating drums}

[B27N 1/0227](#)

- . {using rotating stirrers, e.g. the agent being fed through the shaft of the stirrer}

[B27N 1/0236](#)

- . . {with the stirrers rotating about an horizontal axis, e.g. in consecutive casings ([B27N 1/0254](#) takes precedence)}

[B27N 1/0245](#)

- . . . {with a single stirrer shaft}

[B27N 1/0254](#)

- . . . {with means for spraying the agent on the material before it is introduced in the mixer}

[B27N 1/0263](#)

- . {by spraying the agent on the falling material, e.g. with the material sliding along an inclined surface, using rotating elements or nozzles ([B27N 1/0254](#) takes precedence)}

[B27N 1/0272](#)

- . {by bringing the material into contact with a rotating roll provided with a layer of binding agent}

[B27N 1/0281](#)

- . {Combinations of dissimilar mixers}

[B27N 1/029](#)

- . {Feeding; Proportioning; Controlling}

**B27N 3/00****Manufacture of substantially flat articles, e.g. boards, from particles or fibres**[B27N 3/002](#)

- {characterised by the type of binder (compositions of macromolecular compounds [C08L](#))}

[B27N 3/005](#)

- {and foam}

[B27N 3/007](#)

- {and at least partly composed of recycled material}

[B27N 3/02](#)

- from particles

[B27N 3/04](#)

- from fibres

[B27N 3/06](#)

- Making particle boards or fibreboards, with preformed covering layers, the particles or fibres being compressed with the layers to a board in one single pressing operation

|                  |   |
|------------------|---|
| B27N 3/08        | <ul style="list-style-type: none"> <li>• Moulding or pressing (<a href="#">presses in general B30B</a>)</li> </ul>  |
| B27N 3/083       | <ul style="list-style-type: none"> <li>• • {Agents for facilitating separation of moulds from articles}</li> </ul>  |
| B27N 3/086       | <ul style="list-style-type: none"> <li>• • {Presses with means for extracting or introducing gases or liquids in the mat}</li> </ul>  |
| B27N 3/10        | <ul style="list-style-type: none"> <li>• • Moulding of mats</li> </ul>  |
| B27N 3/12        | <ul style="list-style-type: none"> <li>• • • from fibres</li> </ul>   |
| B27N 3/14        | <ul style="list-style-type: none"> <li>• • • Distributing or orienting the particles or fibres</li> </ul>   |
| B27N 3/143       | <ul style="list-style-type: none"> <li>• • • • {Orienting the particles or fibres}</li> </ul>   |
| B27N 3/146       | <ul style="list-style-type: none"> <li>• • • • {Controlling mat weight distribution}</li> </ul>   |
| B27N 3/16        | <ul style="list-style-type: none"> <li>• • Transporting the material from mat moulding stations to presses (<a href="#">B27N 3/22 takes precedence</a>); Apparatus specially adapted for transporting the material or component parts therefor, e.g. cauls (<a href="#">transport devices in general B65G</a>)</li> </ul> |
| B27N 3/18        | <ul style="list-style-type: none"> <li>• • Auxiliary operations, e.g. preheating, humidifying, cutting-off</li> </ul>   |
| B27N 3/183       | <ul style="list-style-type: none"> <li>• • • {Forming the mat-edges, e.g. by cutting}</li> </ul>  |
| B27N 3/186       | <ul style="list-style-type: none"> <li>• • • {Separating the cauls from the boards}</li> </ul>  |
| B27N 3/20        | <ul style="list-style-type: none"> <li>• • characterised by using platen-presses</li> </ul>   |
| B27N 3/203       | <ul style="list-style-type: none"> <li>• • • {with heating or cooling means}</li> </ul>   |
| B27N 3/206       | <ul style="list-style-type: none"> <li>• • • {for continuous boards}</li> </ul>   |
| B27N 3/22        | <ul style="list-style-type: none"> <li>• • • Charging or discharging</li> </ul>   |
| B27N 3/24        | <ul style="list-style-type: none"> <li>• • characterised by using continuously acting presses having endless belts or chains moved within the compression zone</li> </ul>   |
| B27N 3/26        | <ul style="list-style-type: none"> <li>• • characterised by using continuously acting presses having a heated press drum and an endless belt to compress the material between belt and drum</li> </ul>  |
| B27N 3/28        | <ul style="list-style-type: none"> <li>• • characterised by using extrusion presses</li> </ul>  |
| <b>B27N 5/00</b> | <b>Manufacture of non-flat articles</b>   |
| B27N 5/02        | <ul style="list-style-type: none"> <li>• Hollow articles</li> </ul>   |
| <b>B27N 7/00</b> | <b>After-treatment, e.g. reducing swelling or shrinkage, surfacing; Protecting the edges of boards against access of humidity</b>   |
| B27N 7/005       | <ul style="list-style-type: none"> <li>• {Coating boards, e.g. with a finishing or decorating layer}</li> </ul>   |
| <b>B27N 9/00</b> | <b>Arrangements for fireproofing (<a href="#">fireproofing materials C09K 21/00</a>)</b>  |