

**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>· <ul style="list-style-type: none"> <li>· {Agents for facilitating separation of moulds from articles}</li> </ul> </li> </ul>
B27N 3/086	<ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· {Presses with means for extracting or introducing gases or liquids in the mat}</li> </ul> </li> </ul>
B27N 3/10	<ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· Moulding of mats</li> </ul> </li> </ul>
B27N 3/12	<ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· from fibres</li> </ul> </li> </ul> </li> </ul>
B27N 3/14	<ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· Distributing or orienting the particles or fibres</li> </ul> </li> </ul> </li> </ul>
B27N 3/143	<ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· {Orienting the particles or fibres}</li> </ul> </li> </ul> </li> </ul> </li> </ul>
B27N 3/146	<ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· {Controlling mat weight distribution}</li> </ul> </li> </ul> </li> </ul> </li> </ul>
B27N 3/16	<ul style="list-style-type: none"> <li>· <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> </li> </ul>
B27N 3/18	<ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· Auxiliary operations, e.g. preheating, humidifying, cutting-off</li> </ul> </li> </ul>
B27N 3/183	<ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· {Forming the mat-edges, e.g. by cutting}</li> </ul> </li> </ul> </li> </ul>
B27N 3/186	<ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· {Separating the cauls from the boards}</li> </ul> </li> </ul> </li> </ul>
B27N 3/20	<ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· characterised by using platen-presses</li> </ul> </li> </ul>
B27N 3/203	<ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· {with heating or cooling means}</li> </ul> </li> </ul> </li> </ul>
B27N 3/206	<ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· {for continuous boards}</li> </ul> </li> </ul> </li> </ul>
B27N 3/22	<ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· Charging or discharging</li> </ul> </li> </ul> </li> </ul>
B27N 3/24	<ul style="list-style-type: none"> <li>· <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> </li> </ul>
B27N 3/26	<ul style="list-style-type: none"> <li>· <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> </li> </ul>
B27N 3/28	<ul style="list-style-type: none"> <li>· <ul style="list-style-type: none"> <li>· characterised by using extrusion presses</li> </ul> </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>