

**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 . Moulding or pressing ([presses in general B30B](#))
- B27N 3/083 .. { Agents for facilitating separation of moulds from articles }
- B27N 3/086 .. { Presses with means for extracting or introducing gases or liquids in the mat }
- B27N 3/10 .. Moulding of mats
- B27N 3/12 ... from fibres
- B27N 3/14 ... Distributing or orienting the particles or fibres
- B27N 3/143 .... { Orienting the particles or fibres }
- B27N 3/146 .... { Controlling mat weight distribution }
- B27N 3/16 .. Transporting the material from mat moulding stations to presses ([B27N 3/22 takes precedence](#)); Apparatus specially adapted for transporting the material or component parts therefor, e.g. cauls ([transport devices in general B65G](#))
- B27N 3/18 .. Auxiliary operations, e.g. preheating, humidifying, cutting-off
- B27N 3/183 ... { Forming the mat-edges, e.g. by cutting }
- B27N 3/186 ... { Separating the cauls from the boards }
- B27N 3/20 .. characterised by using platen-presses
- B27N 3/203 ... { with heating or cooling means }
- B27N 3/206 ... { for continuous boards }
- B27N 3/22 ... Charging or discharging
- B27N 3/24 .. characterised by using continuously acting presses having endless belts or chains moved within the compression zone
- B27N 3/26 .. characterised by using continuously acting presses having a heated press drum and an endless belt to compress the material between belt and drum
- B27N 3/28 .. characterised by using extrusion presses
- B27N 5/00            Manufacture of non-flat articles**
- B27N 5/02 . Hollow articles
- B27N 7/00            After-treatment, e.g. reducing swelling or shrinkage, surfacing; Protecting the edges of boards against access of humidity**
- B27N 7/005 . { Coating boards, e.g. with a finishing or decorating layer }
- B27N 9/00            Arrangements for fireproofing ([fireproofing materials C09K 21/00](#))**