

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](#))**