

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](#) .

Guidance heading:**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](#))**