

**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](#))**