

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](#).

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| 1/00 | Pretreatment of moulding material | 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) |
| 1/003 | . {for reducing formaldehyde gas emission} | | |
| 1/006 | . {for increasing resistance to swelling by humidity} | | |
| 1/02 | . Mixing the material with binding agent (mixing in general B01F) | | |
| 1/0209 | . . {Methods, e.g. characterised by the composition of the agent} | 3/18 | . . Auxiliary operations, e.g. preheating, humidifying, cutting-off |
| 1/0218 | . . {in rotating drums} | 3/183 | . . . {Forming the mat-edges, e.g. by cutting} |
| 1/0227 | . . {using rotating stirrers, e.g. the agent being fed through the shaft of the stirrer} | 3/186 | . . . {Separating the cauls from the boards} |
| 1/0236 | . . . {with the stirrers rotating about an horizontal axis, e.g. in consecutive casings (B27N 1/0254 takes precedence)} | 3/20 | . . characterised by using platen-presses |
| 1/0245 | {with a single stirrer shaft} | 3/203 | . . . {with heating or cooling means} |
| 1/0254 | . . . {with means for spraying the agent on the material before it is introduced in the mixer} | 3/206 | . . . {for continuous boards} |
| 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)} | 3/22 | . . . Charging or discharging |
| 1/0272 | . . {by bringing the material into contact with a rotating roll provided with a layer of binding agent} | 3/24 | . . characterised by using continuously acting presses having endless belts or chains moved within the compression zone |
| 1/0281 | . . {Combinations of dissimilar mixers} | 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 |
| 1/029 | . . {Feeding; Proportioning; Controlling} | 3/28 | . . characterised by using extrusion presses |
| 3/00 | Manufacture of substantially flat articles, e.g. boards, from particles or fibres | 5/00 | Manufacture of non-flat articles |
| 3/002 | . {characterised by the type of binder (compositions of macromolecular compounds C08L)} | 5/02 | . Hollow articles |
| 3/005 | . {and foam} | 7/00 | After-treatment, e.g. reducing swelling or shrinkage, surfacing; Protecting the edges of boards against access of humidity |
| 3/007 | . {and at least partly composed of recycled material} | 7/005 | . {Coating boards, e.g. with a finishing or decorating layer} |
| 3/02 | . from particles | 9/00 | Arrangements for fireproofing (fireproofing materials C09K 21/00) |
| 3/04 | . from fibres | | |
| 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 | | |
| 3/08 | . Moulding or pressing (presses in general B30B) | | |
| 3/083 | . . {Agents for facilitating separation of moulds from articles} | | |
| 3/086 | . . {Presses with means for extracting or introducing gases or liquids in the mat} | | |
| 3/10 | . . Moulding of mats | | |
| 3/12 | . . . from fibres | | |
| 3/14 | . . . Distributing or orienting the particles or fibres | | |
| 3/143 | {Orienting the particles or fibres} | | |
| 3/146 | {Controlling mat weight distribution} | | |