

CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

SHAPING

B27 WORKING OR PRESERVING WOOD OR SIMILAR MATERIAL; NAILING OR STAPLING MACHINES IN GENERAL

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](#).

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

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|-------------|--|-------|---|
| 1/00 | Pretreatment of moulding material | 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 |
| 1/003 | • {for reducing formaldehyde gas emission} | 3/08 | • Moulding or pressing (presses in general B30B) |
| 1/006 | • {for increasing resistance to swelling by humidity} | 3/083 | • • {Agents for facilitating separation of moulds from articles} |
| 1/02 | • Mixing the material with binding agent (mixing in general B01F) | 3/086 | • • {Presses with means for extracting or introducing gases or liquids in the mat} |
| 1/0209 | • • {Methods, e.g. characterised by the composition of the agent} | 3/10 | • • Moulding of mats |
| 1/0218 | • • {in rotating drums} | 3/12 | • • • from fibres |
| 1/0227 | • • {using rotating stirrers, e.g. the agent being fed through the shaft of the stirrer} | 3/14 | • • • Distributing or orienting the particles or fibres |
| 1/0236 | • • • {with the stirrers rotating about an horizontal axis, e.g. in consecutive casings (B27N 1/0254 takes precedence)} | 3/143 | • • • • {Orienting the particles or fibres} |
| 1/0245 | • • • • {with a single stirrer shaft} | 3/146 | • • • • {Controlling mat weight distribution} |
| 1/0254 | • • • {with means for spraying the agent on the material before it is introduced in the mixer} | 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) |
| 1/0263 | • • {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)} | 3/18 | • • Auxiliary operations, e.g. preheating, humidifying, cutting-off |
| 1/0272 | • • {by bringing the material into contact with a rotating roll provided with a layer of binding agent} | 3/183 | • • • {Forming the mat-edges, e.g. by cutting} |
| 1/0281 | • • {Combinations of dissimilar mixers} | 3/186 | • • • {Separating the cauls from the boards} |
| 1/029 | • • {Feeding; Proportioning; Controlling} | 3/20 | • • characterised by using platen-presses |
| 3/00 | Manufacture of substantially flat articles, e.g. boards, from particles or fibres | 3/203 | • • • {with heating or cooling means} |
| 3/002 | • {characterised by the type of binder (compositions of macromolecular compounds C08L)} | 3/206 | • • • {for continuous boards} |
| 3/005 | • {and foam} | 3/22 | • • • Charging or discharging |
| 3/007 | • {and at least partly composed of recycled material} | 3/24 | • • characterised by using continuously acting presses having endless belts or chains moved within the compression zone |
| 3/02 | • from particles | 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 |
| 3/04 | • from fibres | | |

B27N

- 3/28 . . characterised by using extrusion presses
- 5/00 Manufacture of non-flat articles**
- 5/02 . Hollow articles
- 7/00 After-treatment, e.g. reducing swelling or shrinkage, surfacing; Protecting the edges of boards against access of humidity**
- 7/005 . {Coating boards, e.g. with a finishing or decorating layer}
- 9/00 Arrangements for fireproofing** (fireproofing materials [C09K 21/00](#))