

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.

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