Title (en)

BOARD, IN PARTICULAR MOULDED FIBRE BOARD

Title (de)

PLATTE, INSBESONDERE HARTFASERPLATTE

Title (fr)

PANNEAU, EN PARTICULIER PANNEAU EN FIBRES DURES

Publication

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Application

EP 95915794 A 19950420

Priority

- DE 9500530 W 19950420
- DE 4418274 A 19940526

Abstract (en)

[origin: WO9532847A1] The board (10), in particular moulded fibre board, proposed is characterized in that it has at least one groove (40, 48) located at a fold line and making it possible to fold the board about the fold line. At least part of the groove (40, 48) is coated with adhesive (46) which bonds the two parts of the board together so that they can pivot. The method proposed for the manufacture of the foldable board is characterized in that the board is provided with a groove (40, 48) in the region of the fold line, the grooved board is provided with an additional groove lying opposite the first and having the same baseline. At least one of the grooves is coated with adhesive (46) which holds the two parts of the board together so that they can pivot. The installation for manufacturing the foldable board is characterized by at least one work station (22) which takes the board (10) to be machined and which has at least one device (33) designed to machine at least one groove (48) into the upper surface of the board, the work station holding, guiding and conveying the board at least in the vicinity of the machining device in such a way that it is free of vibration, plus at least one additional work station (6), following on from the first, which takes the board to be further processed and which has at least one device designed to machine in the board at least one groove (40) complementary to and facing each of the grooves made previously to permit the board to be folded, the work station holding, guiding and conveying the board at least in the vicinity of the machining device in such a way that it is free of vibration, plus at least one device designed to apply adhesive (46) in at least one of the grooves facing each other. The invention thus proposes a board, a method of manufacturing the board and an installation for carrying out the method in which it is possible to fold the visible surface (27, 35) of the board in on itself without the need to apply a strip of adhesive on the visible surfaceof the board, while at the same time ensuring high stability of the board in the opened state as well as low manufacturing costs.

IPC 1-7

B27G 5/00; E04C 2/40; A47B 96/20; B27G 11/00

IPC 8 full level

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CPC (source: EP)

A47B 96/202 (2013.01); **B27G 5/00** (2013.01); **B27G 11/00** (2013.01); **E04C 2/405** (2013.01)

Cited by

DE102011113389A1; DE102005003396A1; DE10354461B3; EP1325799A1; DE10354460B3; EP1508286A1; DE10322218B3; WO2005020754A1; EP1364599A1; EP2570052A1

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