

Title (en)
METHOD AND DEVICE FOR PRODUCING FIBRE BOARDS

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Application
EP 87116121 A 19871103

Priority
DE 3639061 A 19861114

Abstract (en)
[origin: US4802837A] Apparatus for forming particle board and having plural opposed continuous belts and means to introduce a hardener in fluid form in the nip between the belts. The production of wood material particles into board or panels, such as chipboard, fiber board, OSB panels, MDF panels and the like, involves coating the particles with a binder free of any hardener. The coated particles are deposited on a support surface in the form of a mat and then are compressed. While the particles are being compressed in a press, an acid or basic hardener in a gaseous phase or in a binary phase with a gaseous carrier agent, is introduced across and into the surface of the mat or directly into the interior mat. The compression of the mat can be performed either in a continuous double band press or a discontinuous single or multi-platen press. In a double band press, two press bands are arranged in opposed relation and the hardener is introduced into the mat in a wedge-shaped inlet zone between the press bands. The hardener flows through openings in the press band onto the surface of the mat. Conduits are located in pressure plates associated with the press and bores extend from the conduits to the pressure plate surfaces in contact with the mat.

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Citation (search report)

- [X] DE 2312159 A1 19740919 - ALENIUS NILS ROBERT DIPL ING
- [YD] DE 2058820 A1 19720531 - SIEMPELKAMP GMBH & CO
- [A] DE 714341 C 19411127 - SCHWENK E FA
- [A] DE 2737629 A1 19790222 - HELD KURT
- [A] DE 1528292 A1 19700716 - TRIANGEL SPANPLATTENWERKE DER
- [A] DE 2024038 A1 19711118
- [A] DE 3315367 A1 19841031 - HELD KURT [DE]
- [A] EP 0131879 A1 19850123 - HELD KURT

Cited by
EP0383572A3; CN103158188A; EP0776742A1; DE10314623B3; FR2648744A1; BE1003585A5; US6605245B1; US6821614B1; WO9825744A1; WO2017118531A1; WO2005054600A1; US6200682B1; US6863512B2; WO9104142A1; WO2019110217A1

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