

Title (en)

METHOD AND DEVICE FOR MANUFACTURING MOULDED BODIES FROM CRUSHED MATERIAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON FORMKÖRPERN AUS ZERKLEINERTEM MATERIAL

Title (fr)

PROCEDE ET DISPOSITIF POUR PRODUIRE DES CORPS MOULES A PARTIR DE MATERIAU BROYE

Publication

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Application

EP 98945303 A 19980902

Priority

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Abstract (en)

[origin: US6582648B1] A particle board, a fiberboard or an oriented strand board (25) is formed by the process according to the invention from a mixture of a comminuted cellulose material and a binder, especially a synthetic resin containing an unsaturated oligimer, that is hardenable by electron radiation. The process of the invention includes first forming a loosely scattered layer (4) of the mixture, e.g. on a conveyor belt, then compressing the layer in a press device (16), after performing a pre-compression in a pre-press in Some embodiments, and rapid setting of the layer (4) by means of electron radiation from an electron radiation device (22). Unlike the known processes that only use a thermosetting binder, the inventive method is hindered neither by heat transfer to the center of the board nor by a non-uniform humidity profile. High quality boards may be produced at a high yield without splitting and these boards require no conditioning storage.

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