

Title (en)

METHOD FOR MAKING HARD-PRESSED WOOD

Title (de)

VERFAHREN ZUR HERSTELLUNG VON HART GEPRESSTEM HOLZ

Title (fr)

PROCEDE DE PRODUCTION DE BOIS FORTEMENT COMPRIME

Publication

EP 0688260 B1 19990127 (EN)

Application

EP 94909137 A 19940310

Priority

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- FI 931077 A 19930310
- FI 931078 A 19930310

Abstract (en)

[origin: WO9420273A1] A method for making hard-pressed wood by compressing a piece of wood to a volume smaller than its original volume. A piece of wood (11; 11a) sufficiently moist or even saturated with water is compressed preferably at room temperature in a direction transverse to the fibres by a relatively rapid compression motion so that substantially the same pressure exists in the transverse direction of the whole compressible piece of wood (11; 11a), whereby water is removed from the faces of the piece of wood (11; 11a) when the compression continues. After having been compressed to its final size, the piece of wood (11; 11a) is kept in the achieved compression volume and heated as a whole so that the materials therein plasticizing under the influence of heat bind the remaining wood material to an integral material, after which the wood still being in its compressed volume is cooled so that the wood solidifies permanently in its compressed form.

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