

Title (en)

Building material made from residual plants and method for its production.

Title (de)

Baumaterial aus Pflanzenrückständen und Verfahren zu seiner Herstellung.

Title (fr)

Matériau de construction obtenu à partir de résidus végétaux et son procédé d'obtention.

Publication

**EP 0404679 A1 19901227 (FR)**

Application

**EP 90401753 A 19900621**

Priority

FR 8908337 A 19890622

Abstract (en)

Building material made from vegetable residues in a resin matrix and capable of replacing solid wood. This material is formed from vegetable fibres, for example of sugar cane, jute hemp, flax, cotton, kapok, preferably of coconut fibres. The fibres, preferably previously soaked in the resin are grouped in packets (3) with oblique end surfaces (6). The packets are grouped in successive layers (2), the joints between packets being offset from one layer to the next. The assembly is placed in a mould and the resin is possibly added to it, it is pressed and then the resin is hardened until the desired shape is obtained. <IMAGE>

IPC 1-7

**B27K 9/00**; **B27N 3/04**; **B27N 5/00**

IPC 8 full level

**B27J 1/00** (2006.01); **B27N 3/04** (2006.01); **B27N 3/12** (2006.01); **B27N 3/14** (2006.01); **E04C 2/16** (2006.01)

CPC (source: EP)

**B27J 1/00** (2013.01); **B27N 3/04** (2013.01); **B27N 3/12** (2013.01); **B27N 3/143** (2013.01); **E04C 2/16** (2013.01)

Citation (search report)

- [YD] US 4608106 A 19860826 - LAHTINEN PENTTI K [US]
- [YD] FR 2024079 A5 19700821 - POULAIN ANDRE, et al
- [A] FR 2216102 A1 19740830 - LEMOINE ROGER [FR]
- [A] PATENT ABSTRACTS OF JAPAN, vol. 12, no. 347 (M-743)[3194], 19 septembre 1988; & JP-A-63 107 505 (KOYO SANGYO K.K.) 12-05-1988

Cited by

EP1932643A2; EP2036691A2; CN108214756A; EP1060852A1; FR2704175A1; EP0396306A3; AU623252B2; DE102007019849B3; EP1932643A3; US5262217A; CN112192691A; CN104308945A; CN113305971A; WO9613365A1; WO9210344A1; WO0058061A1

Designated contracting state (EPC)

BE DE ES FR GB IT NL SE

DOCDB simple family (publication)

**EP 0404679 A1 19901227**; **EP 0404679 B1 19940209**; DE 69006550 D1 19940324; DE 69006550 T2 19940901; FR 2648743 A1 19901228; FR 2648743 B1 19930507; WO 9210344 A1 19920625

DOCDB simple family (application)

**EP 90401753 A 19900621**; DE 69006550 T 19900621; FR 8908337 A 19890622; FR 9000907 W 19901213