

Publication

EP 0785852 A3 19970813

Application

EP 96925144 A 19960713

Priority

- KR 9600109 W 19960713
- KR 19950020835 A 19950714
- KR 19960027258 A 19960705

Abstract (en)

[origin: WO9704184A2] The present invention relates to a method for manufacturing interior plate boards for construction comprising the steps of cutting 30-55 % by weight of waste pulp, 20-35 % by weight of waste polyester fibers and 20-35 % by weight of waste polypropylene fibers by predetermined length to make a material mixture, homogeneously mixing the material mixture with 2-9 % by weight of filler and water, dehydrating the homogeneous mixture while uniformly distributing and removing the homogeneous mixture on a network-structured belt and passing through a pair of rollers to form a plate board precursor, spraying a thermosetting resinous solution on the plate board precursor, drying the plate board precursor at temperatures of 60-90 DEG C to form a plate board until the moisture content of the plate board becomes 5-20 %, cutting the plate board in specified shapes, spraying water onto the surface of the plate board, and compressively molding the plate board into interior plate boards having respective shapes at temperatures of 180-200 DEG C and under the pressures of 120 SIMILAR 150 Kg.f/cm<2>. According to the invention, the interior plate boards have excellent form-maintaining property and workability as well as superior tensile strength and breaking strength, and the manufacturing cost and the environmental pollution can be reduced by using waste resources.

IPC 1-7

B27N 3/00

IPC 8 full level

E04F 13/16 (2006.01); **B29C 70/50** (2006.01); **D21H 13/14** (2006.01); **D21H 13/24** (2006.01); **D21J 3/00** (2006.01); **E04B 9/04** (2006.01); **E04C 2/24** (2006.01)

CPC (source: EP)

B29C 70/50 (2013.01); **E04B 9/04** (2013.01)

Citation (search report)

See references of WO 9704184A2

Designated contracting state (EPC)

DE DK ES FR GB IT NL SE

DOCDB simple family (publication)

WO 9704184 A2 19970206; **WO 9704184 A3 19970320**; AU 6532396 A 19970218; CA 2199981 A1 19970206; EP 0785852 A2 19970730; EP 0785852 A3 19970813; IL 120444 A0 19970713; JP H10502980 A 19980317

DOCDB simple family (application)

KR 9600109 W 19960713; AU 6532396 A 19960713; CA 2199981 A 19960713; EP 96925144 A 19960713; IL 12044496 A 19960713; JP 50655497 A 19960713