

Title (en)

Wet process for making wood fibre boards

Title (de)

Verfahren zur Herstellung von Holzfasерplatten im Nassverfahren

Title (fr)

Procédé de fabrication par voie humide de panneaux de fibres de bois

Publication

EP 1626123 A1 20060215 (DE)

Application

EP 05450066 A 20050413

Priority

AT 5822004 U 20040811

Abstract (en)

A wet method for the production of natural fibre board in which the aqueous slurry obtained by pulping the raw material is treated with polyethylene oxide (preferably in aqueous solution) before being formed and dewatered, cut to size and dried and/or hot-pressed and/or subjected to other post-treatment. A wet method for the production of natural fibre board by softening and pulping the raw material (e.g. chippings) with steam under pressure, forming and dewatering the resulting slurry (up to 99% in water) in a moulding machine to give a fibre cake, cutting to size, drying (especially in a dryer channel) to give fibre insulating board or hot-pressing to give hardboard, or forming blanks for such hardboard by post-treatment (e.g. conditioning, moistening and/or heating). In this method, the aqueous fibre slurry is inoculated with polyethylene oxide (PEO). (preferably in aqueous solution) before the forming stage.

IPC 8 full level

D21H 17/53 (2006.01); **D21H 17/60** (2006.01); **D21J 1/00** (2006.01); **D21J 3/00** (2006.01)

CPC (source: EP)

D21J 1/00 (2013.01)

Citation (search report)

[X] US 4613627 A 19860923 - SHERMAN NORMAN [US], et al

Citation (examination)

EP 0321989 A1 19890628 - MO OCH DOMSJÖE AB [SE], et al

Cited by

EP2447417A1; US2021171395A1; CN108297525A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

AT 7873 U1 20051017; EP 1626123 A1 20060215

DOCDB simple family (application)

AT 5822004 U 20040811; EP 05450066 A 20050413