

Title (en)

METHOD AND DEVICE FOR DISINTEGRATING IRREGULARITIES IN STREAMS OF WOOD FIBRES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR AUFLÖSUNG VON UNGLEICHMÄSSIGKEITEN IN HOLZFASERSTRÖMEN

Title (fr)

PROCEDE ET DISPOSITIF POUR SUPPRIMER LES IRREGULARITES DANS UN FLUX DE FIBRES DE BOIS

Publication

EP 1283766 B1 20050803 (DE)

Application

EP 01945161 A 20010518

Priority

- DE 10025177 A 20000524
- EP 0105729 W 20010518

Abstract (en)

[origin: WO0189783A1] Wood fibres (2) which are used in the production of fibreboard are supplied from a metering device (1) through a supply chute (7) to a disintegration roller (12) comprising a large number of spikes (13) on its surface. The disintegration roller (12) rotates at high speed, in such a way that the spikes (13) deflect the fibres (6) hitting the disintegration roller (12). The fibres are entrained (6) by the spikes (13) and fed through a chute section (17) formed by a subsection (15) of the roller periphery and a wall (16) lying opposite the latter, to an outlet opening (18) of the chute section. Either a moulding belt (19) of a moulding machine is located beneath the outlet opening (18), or the fibres (6) pass from the outlet opening (18) into the air channel of an air fibre-separator. The disintegration roller (12) disintegrates irregularities in a fibre stream (6), e.g. fibre bundles, or drops of condensed water.

IPC 1-7

B27N 3/14; **B27N 1/00**

IPC 8 full level

B27N 1/00 (2006.01); **B27N 3/14** (2006.01)

CPC (source: EP)

B27N 3/14 (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0189783 A1 20011129; AT E301029 T1 20050815; AU 6745801 A 20011203; CA 2411051 A1 20021122; CA 2411051 C 20070424; DE 10025177 A1 20011213; DE 10025177 B4 20040415; DE 50106979 D1 20050908; EP 1283766 A1 20030219; EP 1283766 B1 20050803; PL 365953 A1 20050124

DOCDB simple family (application)

EP 0105729 W 20010518; AT 01945161 T 20010518; AU 6745801 A 20010518; CA 2411051 A 20010518; DE 10025177 A 20000524; DE 50106979 T 20010518; EP 01945161 A 20010518; PL 36595301 A 20010518