

Title (en)

DEVICE FOR TREATING SHEET-LIKE MATERIAL USING PRESSURIZED WATER JETS

Title (de)

VORRICHTUNG ZU HYDRAULISCHER VERNADELUNG VON BAHNFÖRMIGEN MATERIALEN

Title (fr)

DISPOSITIF POUR LE TRAITEMENT DE MATERIAUX EN FEUILLE AU MOYEN DE JETS D'EAU SOUS PRESSION

Publication

EP 1238133 A1 20020911 (FR)

Application

EP 00981419 A 20001116

Priority

- FR 0003187 W 20001116
- FR 9915946 A 19991217

Abstract (en)

[origin: US6668436B2] A device for treating sheet-like material using water jets/needles. The device comprises a pressurize water supply body consisting of a feed chamber extending along the entire length of the body and inside which pressurized water is guided through a filter, and a distribution area distributing pressurized water along the entire length of treatment. The distribution area includes a plate (7) which is provided with microperforations, whereby the holes thereof define water needles which are directed against the surface of the material which is to be treated. The invention is characterized in that the microperforations (15) are provided inside inserts (13) which are made of a hard material. The inserts are set inside pre-made holes (12) in the plate.

IPC 1-7

D04H 1/46; **B05B 3/10**; **B05B 1/02**; **B26F 1/26**

IPC 8 full level

B05B 1/00 (2006.01); **B05B 1/20** (2006.01); **B26F 1/26** (2006.01); **D04H 18/04** (2012.01); **B05B 1/02** (2006.01)

CPC (source: EP US)

B05B 1/202 (2013.01 - EP US); **B05B 15/18** (2018.02 - EP US); **B26F 1/26** (2013.01 - EP US); **D04H 18/04** (2013.01 - EP US); **B05B 1/02** (2013.01 - EP US)

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 0144553 A1 20010621; AT E241716 T1 20030615; AU 1867401 A 20010625; CN 1411519 A 20030416; DE 60003081 D1 20030703; DE 60003081 T2 20031204; EP 1238133 A1 20020911; EP 1238133 B1 20030528; FR 2802553 A1 20010622; FR 2802553 B1 20020104; JP 2003517112 A 20030520; US 2002179744 A1 20021205; US 6668436 B2 20031230

DOCDB simple family (application)

FR 0003187 W 20001116; AT 00981419 T 20001116; AU 1867401 A 20001116; CN 00817317 A 20001116; DE 60003081 T 20001116; EP 00981419 A 20001116; FR 9915946 A 19991217; JP 2001545629 A 20001116; US 17287602 A 20020617