

Title (en)

INFLUENCING THE PROFILE OF THE PROPERTIES OF A WEB BY MEANS OF AN ACOUSTIC FIELD

Title (de)

BEEINFLUSSUNG EINES BAHNEIGENSCHAFTS-PROFILES MITTELS MINDESTENS EINES SCHALLFELDES

Title (fr)

MODIFICATION DU PROFIL DES PROPRIETES D'UNE BANDE AU MOYEN D'AU MOINS UN CHAMP ACOUSTIQUE

Publication

**EP 1287200 A1 20030305 (DE)**

Application

**EP 01943037 A 20010508**

Priority

- DE 0101746 W 20010508
- DE 10022110 A 20000508

Abstract (en)

[origin: WO0186061A1] The invention relates to a method and a device for the processing of a fibre web or a suspension layer in a paper-, cardboard- or carding-machine or a size press for influencing the profile of the properties of a web by means of at least one sectional, directed acoustic field. In other words, the acoustic field is narrower than the width of the fibre web, or the suspension layer and the acoustic field affects components of the fibre web, or suspension layer at a defined angle. The profiles of the properties of a web influenced by acoustic fields are lamination, spatial orientation, fibre orientation, dry content, breaking length ratio, flocculation and colour coat depth. Furthermore the introduction of a signature mark into the fibre web or suspension layer is possible.

IPC 1-7

**D21F 1/00**

IPC 8 full level

**D21F 1/00** (2006.01); **D21F 1/44** (2006.01)

CPC (source: EP US)

**D21F 1/009** (2013.01 - EP US); **D21F 1/44** (2013.01 - EP US)

Citation (search report)

See references of WO 0186061A1

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 0186061 A1 20011115**; AU 6576901 A 20011120; DE 10022110 A1 20011122; DE 10022110 B4 20071025; EP 1287200 A1 20030305; EP 2345761 A2 20110720; EP 2345761 A3 20140430; US 2003188842 A1 20031009; US 2006157213 A1 20060720

DOCDB simple family (application)

**DE 0101746 W 20010508**; AU 6576901 A 20010508; DE 10022110 A 20000508; EP 01943037 A 20010508; EP 10011180 A 20010508; US 27561903 A 20030512; US 38557206 A 20060320