

Title (en)

Apparatus for manufacturing and/or treating a sheet of material

Title (de)

Vorrichtung zur Herstellung und/oder Behandlung einer Faserstoffbahn

Title (fr)

Dispositif de fabrication et/ou de traitement d'une bande de matière fibreuse

Publication

**EP 2098635 A3 20120411 (DE)**

Application

**EP 09154169 A 20090303**

Priority

DE 102008000564 A 20080307

Abstract (en)

[origin: EP2098635A2] The device (10) has a constant part (30) or a fiber feeder is attached to a multi-layer headbox (12) for feeding of nozzle partial areas (24', 24'') adjacent to a lamella (26) over turbulence producing sections (20', 20''). The lamella exhibits rigidity (S) in cross section of 10 nanometers, where the rigidity is defined in preset equation. A mechanical unit (32) is provided for variable adjustment of different speeds of partial beams (14, 16) by machine width changes of geometry of one of the nozzle partial areas. The lamella is partially made of carbon fiber-reinforced plastic and metal.

IPC 8 full level

**D21F 1/02** (2006.01)

CPC (source: EP)

**D21F 1/02** (2013.01); **D21F 1/026** (2013.01); **D21F 1/028** (2013.01)

Citation (search report)

- [XY] EP 1693508 A1 20060823 - VOITH PAPER PATENT GMBH [DE]
- [Y] DE 19747295 A1 19990128 - VOITH SULZER PAPIERMASCH GMBH [DE]
- [Y] EP 1489224 A1 20041222 - VOITH PAPER PATENT GMBH [DE]
- [A] EP 0939842 B1 20020904 - METSO PAPER KARLSTAD AB [SE]
- [A] DE 19962709 A1 20010628 - VOITH PAPER PATENT GMBH [DE]

Cited by

CN102753754A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2098635 A2 20090909**; **EP 2098635 A3 20120411**; DE 102008000564 A1 20090910

DOCDB simple family (application)

**EP 09154169 A 20090303**; DE 102008000564 A 20080307