

Title (en)

Method and device for online control of fibre orientation cross profile

Title (de)

Vorrichtung und ein Verfahren zur Online-Regelung des Faserorientierungsquerprofils

Title (fr)

Dispositif et procédé de réglage en ligne du profilé transversal d'orientation des fibres

Publication

EP 2022889 A3 20111221 (DE)

Application

EP 08160495 A 20080716

Priority

DE 102007034766 A 20070725

Abstract (en)

[origin: EP2022889A2] The device has a closed control circuit for an on-line regulation of a fiber orientation transverse profile of a continuous paper or cardboard web. The control circuit includes a control device (12) for supplying and/or drawing a preset volume flow into and/or from both lateral boundary regions (14, 16) of a regulator nozzle (18) of a regulator (10). A correction variable of the closed control circuit influencing the fiber orientation transverse profile is formed by an edge-sided volume flow. The correction variable is determined by flow rate of the edge-sided volume flow. An independent claim is also included for a method for on-line regulation of a fiber orientation transverse profile of a continuous paper or cardboard web in a paper machine.

IPC 8 full level

D21F 1/02 (2006.01); **D21G 9/00** (2006.01)

CPC (source: EP)

D21F 1/022 (2013.01); **D21G 9/0027** (2013.01)

Citation (search report)

- [X] WO 2006003140 A1 20060112 - VOITH PAPER PATENT GMBH [DE], et al
- [X] EP 1619298 A2 20060125 - VOITH PAPER PATENT GMBH [DE]
- [X] EP 1496150 A1 20050112 - VOITH PAPER PATENT GMBH [DE]
- [X] EP 1245725 A1 20021002 - ANDRITZ AG MASCHF [AT]
- [XD] DE 3538466 A1 19860507 - VALMET OY [FI]
- [XD] EP 0857816 A1 19980812 - VALMET CORP [FI]
- [A] DE 19953225 A1 20010523 - VOITH PAPER PATENT GMBH [DE]

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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