Title (en)

Method for identifying a break in a sheet of fibrous material in a section of a production machine for fibrous sheet material and device for implementing the method

Title (de)

Verfahren zur Erfassung eines Abrisses einer Faserstoffbahn in einer Sektion einer Maschine zur Herstellung der Faserstoffbahn und Vorrichtung zur Durchfühung des Verfahrens

Title (fr)

Procédé destiné à détecter un condensé d'une bande fibreuse dans une section d'une machine destinée à la fabrication d'une bande fibreuse et dispositif destiné à la réalisation du procédé

Publication

EP 2022893 A3 20111221 (DE)

Application

EP 08161037 A 20080724

Priority

DE 102007034828 A 20070726

Abstract (en)

[origin: EP2022893A2] The method involves guiding a web (3) by using a web carrier (5) e.g. dryer fabric, which includes several components by a section. A break of the web is detected by an optical device (8) for web break detection. A cut-off device (9) for the web is activated directly or indirectly by the optical device for the web break detection. An intensity (IR) of a light source (11) e.g. lamp, of the optical device in a wavelength range (L) between 800 to 2,600 nanometer reflected by the web and/or one component of the carrier is measured by using a detector (14) of the optical device. An independent claim is also included for a device for detection of a break of a web in a section of a machine for production of the web.

IPC 8 full level

D21F 7/04 (2006.01)

CPC (source: EP)

D21F 7/04 (2013.01)

Citation (search report)

- [XP] EP 1936030 A1 20080625 - VOITH PATENT GMBH [DE]
- [AD] DE 4216653 A1 19931125 - VOITH GMBH J M [DE]

Cited by

US9580860B2; US8661706B2; US8549770B2; DE202012010935U1

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)

EP 2022893 A2 20090211; **EP 2022893 A3 20111221**; **EP 2022893 B1 20121219**; DE 102007034828 A1 20090129

DOCDB simple family (application)

EP 08161037 A 20080724; DE 102007034828 A 20070726