

Title (en)

DEVICE FOR DETECTING A RUNNING DISTURBANCE IN A RUNNING WEB

Title (de)

VORRICHTUNG ZUR ERKENNUNG EINER LAUFSTÖRUNG BEI EINER LAUFENDEN MATERIALBAHN

Title (fr)

DISPOSITIF DE DETECTION D'UNE PERTURBATION DANS LE DEFILEMENT D'UNE BANDE

Publication

EP 1513756 B1 20080326 (DE)

Application

EP 03760553 A 20030604

Priority

- DE 0301841 W 20030604
- DE 10227694 A 20020619

Abstract (en)

[origin: WO2004000704A1] The invention relates to a device for detecting a running disturbance in a running web (06), preferably of a paper web, comprising a normal web path (13), which is followed by the web when in an undisturbed state, and comprising a sensor (09). The sensor is a distance sensor, which quantitatively detects a distance of the web from the normal web path followed thereby when in an undisturbed state, and detects a running disturbance when the distance of the web from the web path exceeds a predetermined value. In another device, the sensor uses an emitter for emitting a sampled signal and a receiver for registering the scanned signal after propagating on a beam path. The beam path runs along the side of the normal web path and the sensor detects a running disturbance when the web enters the beam path.

IPC 8 full level

B65H 26/02 (2006.01); **B41F 33/18** (2006.01)

CPC (source: EP)

B41F 33/18 (2013.01); **B65H 26/025** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004000704 A1 20031231; AT E390376 T1 20080415; AU 2003243916 A1 20040106; DE 10227694 A1 20040129; DE 50309475 D1 20080508; EP 1513756 A1 20050316; EP 1513756 B1 20080326

DOCDB simple family (application)

DE 0301841 W 20030604; AT 03760553 T 20030604; AU 2003243916 A 20030604; DE 10227694 A 20020619; DE 50309475 T 20030604; EP 03760553 A 20030604