

Title (en)

METHOD FOR DEALING WITH FAULTS OCCURRING DURING THE MANUFACTURE OF A MATERIAL WEB

Title (de)

VERFAHREN ZUM UMGANG MIT FEHLERN WÄHREND DER HERSTELLUNG EINER MATERIALBAHN

Title (fr)

PROCÉDÉ DE GESTION DES DÉFAUTS SURVENANT AU COURS DE LA FABRICATION D'UNE BANDE DE MATÉRIAU

Publication

EP 2231924 A1 20100929 (EN)

Applicaton

EP 08863004 A 20081212

Priority

- FI 2008050734 W 20081212
- FI 20070984 A 20071214

Abstract (en)

[origin: WO2009077650A1] The invention relates to a method for dealing with faults occurring during the calendering of a material web, said method comprising at least the following steps of: -identifying the location of a fault (H) on the surface of a roll (5) or in a material web and estimating or calculating an arrival time of the fault (H) at a roll nip (N) and a dwell time for the fault in the roll nip, -transmitting from a control system (4) to at least one digital valve unit (100), used for controlling a nip pressure of the roll nip (N), a feed-forward adjustment instruction (F) for dealing with a fault in the roll nip (N) of a calender, -reducing as per adjustment instruction (F), through the intermediary of at least one digital valve (1), a nip pressure of the roll nip (N) at the latest when the fault (H) arrives at the roll nip (N) and increasing the nip pressure as the fault exits the roll nip.

IPC 8 full level

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

CPC (source: EP FI)

D21F 7/04 (2013.01 - FI); **D21F 7/06** (2013.01 - FI); **D21G 1/004** (2013.01 - EP); **D21G 1/0046** (2013.01 - FI); **D21G 9/0009** (2013.01 - FI); **D21G 9/0045** (2013.01 - EP); **F15B 11/0426** (2013.01 - EP); **F15B 2211/40592** (2013.01 - EP)

Citation (search report)

See references of WO 2009077650A1

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)

WO 2009077650 A1 20090625; AT E511574 T1 20110615; CN 101903594 A 20101201; CN 101903594 B 20120718; EP 2231924 A1 20100929; EP 2231924 B1 20110601; FI 120317 B 20090915; FI 20070984 A0 20071214; FI 20070984 A 20090615

DOCDB simple family (application)

FI 2008050734 W 20081212; AT 08863004 T 20081212; CN 200880121322 A 20081212; EP 08863004 A 20081212; FI 20070984 A 20071214