

Title (en)

ROLL WITH SENSORS FOR A MACHINE FOR PRODUCING AND/OR PROCESSING A MATERIAL WEB AND MACHINE FOR PRODUCING AND/OR PROCESSING A MATERIAL WEB

Title (de)

WALZE MIT SENSOREN FÜR EINE MASCHINE ZUR HERSTELLUNG UND/ODER VERARBEITUNG EINER MATERIALBAHN UND MASCHINE ZUR HERSTELLUNG UND/ODER VERARBEITUNG EINER MATERIALBAHN

Title (fr)

ROULEAU À CAPTEURS POUR MACHINE DE TRAITEMENT DE BANDE

Publication

EP 2802709 A1 20141119 (DE)

Application

EP 13700498 A 20130108

Priority

- DE 102012200387 A 20120112
- EP 2013050182 W 20130108

Abstract (en)

[origin: WO2013104600A1] The invention relates to a roll (1) for a machine for processing a material web, in particular a paper, cardboard, or tissue machine, comprising a cylindrical roll core (2) and a roll cover which is arranged on the radially outer lateral face of the roll core. The roll cover has a functional layer (3) and a connecting structure (4) which lies radially between the roll core (2) and the functional layer (3), and the radially outer lateral face of the functional layer (3) provides a contact surface (5) which can be brought into contact with the material web or a covering. A plurality of pressure and/or temperature-sensitive sensors (6) are embedded in the roll cover. The invention is characterized in that the sensors are arranged in the connecting structure (4) or at the interface between the connecting structure (4) and the functional layer (3).

IPC 8 full level

D21F 3/06 (2006.01); **D21F 3/08** (2006.01); **D21F 3/10** (2006.01); **D21G 1/02** (2006.01)

CPC (source: EP US)

B65H 20/02 (2013.01 - US); **B65H 43/00** (2013.01 - US); **D21F 3/06** (2013.01 - EP US); **D21F 3/08** (2013.01 - EP US); **D21F 3/105** (2013.01 - EP US); **D21G 1/0233** (2013.01 - EP US); **D21G 1/0286** (2013.01 - EP US); **B65H 2701/176** (2013.01 - EP US)

Citation (search report)

See references of WO 2013104600A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013104600 A1 20130718; CN 104040072 A 20140910; DE 102012200387 A1 20130718; EP 2802709 A1 20141119; US 2014374460 A1 20141225; US 9302871 B2 20160405

DOCDB simple family (application)

EP 2013050182 W 20130108; CN 201380005357 A 20130108; DE 102012200387 A 20120112; EP 13700498 A 20130108; US 201314372053 A 20130108