

Title (en)

Device for controlling coils with coiled film material

Title (de)

Vorrichtung zur Kontrolle von Spulen mit aufgewickeltem Folienmaterial

Title (fr)

Dispositif de contrôle de bobines de matériaux en bandes enroulées

Publication

EP 2368825 B2 20210721 (DE)

Application

EP 11156967 A 20110304

Priority

DE 102010016055 A 20100322

Abstract (en)

[origin: EP2368825A1] The device has a sensor arrangement for detecting an end of a sheet material (12) on a coil (10), where the sheet material is wound on a core (8) of the coil. The sensor arrangement comprises an optoelectronic sensor (14) i.e. line sensor, that is arranged stationary with respect to a front end (7) of the coil on a mandrel (4) to optically detect a portion of the front end of the coil. The detected portion of the front end of the coil comprises an air gap (25) that is formed between the mandrel and the core.

IPC 8 full level

B65H 26/08 (2006.01)

CPC (source: EP US)

B65H 26/08 (2013.01 - EP US); **B65H 2511/14** (2013.01 - EP US); **B65H 2553/23** (2013.01 - EP US); **B65H 2553/416** (2013.01 - EP US)

Citation (opposition)

Opponent :

- US 2005014250 A1 20050120 - GALAVOTTI DANIELE [IT]
- US 5607121 A 19970304 - BORIANI SILVANO [IT], et al
- JP 2004249536 A 20040909 - SHARP KK

Cited by

DE102016220760A1

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)

EP 2368825 A1 20110928; EP 2368825 B1 20131120; EP 2368825 B2 20210721; CN 102198871 A 20110928; CN 102198871 B 20130904; DE 102010016055 A1 20110922; US 2011225930 A1 20110922; US 8766223 B2 20140701

DOCDB simple family (application)

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