

Title (en)

Winding device for unwinding a strip of material and method for unwinding a strip of material

Title (de)

Wickelvorrichtung zum Abrollen einer Materialbahn sowie Verfahren zum Abwickeln einer Materialbahn

Title (fr)

Dispositif d'enroulement destiné déroulement d'une bande de matériau et procédé du déroulement d'une bande de matériau

Publication

EP 2014591 A3 20091021 (DE)

Application

EP 08104653 A 20080707

Priority

DE 102007032095 A 20070710

Abstract (en)

[origin: EP2014591A2] Sensors (100, 150, 170, 200) provided, measure vibrations directly or indirectly, at right angles to the roller axis (20). A sensor(100) measures vibratory velocity and/or acceleration. The machine frame (12) of the winder includes sections (14) to which sensors (100, 150) are fitted. These have high- and low rigidities, at right angles to the roller axis. The sensors are located on or near frame components having low rigidity. The winder has a clamp (28) for the full roll, with a sensor (170) on or near it. An independent claim IS INCLUDED FOR the corresponding unwinding method.

IPC 8 full level

B65H 16/00 (2006.01)

CPC (source: EP)

B65H 16/06 (2013.01); **B65H 2511/166** (2013.01); **B65H 2511/22** (2013.01); **B65H 2513/10** (2013.01); **B65H 2513/20** (2013.01); **B65H 2515/30** (2013.01); **B65H 2515/34** (2013.01); **B65H 2515/50** (2013.01); **B65H 2515/82** (2013.01); **B65H 2553/40** (2013.01)

C-Set (source: EP)

1. **B65H 2511/166 + B65H 2220/03**
2. **B65H 2511/22 + B65H 2220/03**
3. **B65H 2513/10 + B65H 2220/02**
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5. **B65H 2515/34 + B65H 2220/03**
6. **B65H 2515/50 + B65H 2220/03**
7. **B65H 2515/82 + B65H 2220/03**
8. **B65H 2513/20 + B65H 2220/03**

Citation (search report)

- [XA] JP H0680289 A 19940322 - NEW OJI PAPER CO LTD
- [X] JP S63267650 A 19881104 - MITSUBISHI HEAVY IND LTD
- [A] EP 0839743 A2 19980506 - VALMET CORP [FI]
- [DA] EP 1748011 A2 20070131 - VOITH PATENT GMBH [DE]

Cited by

DE202010004165U1; WO2012001211A1

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 2014591 A2 20090114; EP 2014591 A3 20091021; EP 2014591 B1 20120314; AT E549282 T1 20120315; DE 102007032095 A1 20090115

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