

Title (en)

Roll winding device and method for winding a sheet of material

Title (de)

Rollenwickelvorrichtung und Verfahren zum Aufwickeln einer Materialbahn

Title (fr)

Dispositif d'enroulement à rouleaux et procédé destiné à enrouler une bande de matériau

Publication

EP 2341024 A3 20120328 (DE)

Application

EP 10187968 A 20101019

Priority

DE 102009055352 A 20091229

Abstract (en)

[origin: EP2341024A2] The roll winder (1) has a roller (6) placed in a roller bearing and lying against a winding roll (3). The winding and movable roller bearing is connected with a support by a damping unit. The roller bearing comprises a cylinder and a piston movably arranged in the cylinder. A frictionless sealing is provided between the cylinder and the piston. The frictionless sealing is formed as contact-less sealing, particularly as gap sealing, labyrinth sealing or air sealing. An independent claim is also included for a method for winding a material web, particularly a paper- or cardboard web on a winding core, particularly a winding sleeve to a winding roll.

IPC 8 full level

B65H 18/14 (2006.01); **B65H 18/16** (2006.01); **B65H 18/20** (2006.01)

CPC (source: EP)

B65H 18/14 (2013.01); **B65H 2301/414866** (2013.01); **B65H 2402/52** (2013.01); **B65H 2403/60** (2013.01); **B65H 2404/43** (2013.01); **B65H 2408/232** (2013.01); **B65H 2515/34** (2013.01); **B65H 2515/40** (2013.01); **B65H 2515/50** (2013.01); **B65H 2601/524** (2013.01); **B65H 2601/5242** (2013.01); **B65H 2601/5244** (2013.01)

Citation (search report)

- [XA] EP 1905712 A2 20080402 - VOITH PATENT GMBH [DE]
- [XA] EP 1764327 A1 20070321 - VOITH PATENT GMBH [DE], et al
- [A] DE 202006004449 U1 20060511 - VOITH PAPER PATENT GMBH [DE]

Cited by

EP2565136A1; CN113119834A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2341024 A2 20110706; EP 2341024 A3 20120328; CN 102120534 A 20110713; DE 102009055352 A1 20110630

DOCDB simple family (application)

EP 10187968 A 20101019; CN 201010611891 A 20101229; DE 102009055352 A 20091229