

Title (en)

METHOD AND DEVICE FOR ORIENTING A MATERIAL ROLL PRIOR TO AXIAL ALIGNMENT IN A ROLL CHANGER

Title (de)

VERFAHREN UND EINE VORRICHTUNG ZUM AUSRICHTEN EINER MATERIALROLLE VOR DEM AUFACHSEN IN EINEM ROLLENWECHSLER

Title (fr)

PROCEDE ET DISPOSITIF POUR ORIENTER UN ROULEAU DE MATERIAU AVANT DE L'ALIGNER AXIALEMENT DANS UN CHANGEUR DE ROULEAUX

Publication

EP 1904391 A1 20080402 (DE)

Application

EP 06763162 A 20060517

Priority

- EP 2006062363 W 20060517
- DE 102005032600 A 20050713

Abstract (en)

[origin: US2009116948A1] A material roll is transported to a roll changer by being arranged on a transport carriage. The material roll and transport carriage are placed on a transfer table which is moved into position between journal bearings of the roll changer. The transfer table is adapted to move the material roll transversely and along a longitudinal axis of the material roll and can pivot in a horizontal plane. An inclined position of the material roll, arranged on the transfer table, is determined by sensors. In this determined, axially aligned position, the material roll is axially aligned on the bearing journals. The roll size of the material is determined. An axially aligned position for roller support arms of a roll carrier of the roll changer is determined as a function of the determined roll size. An axially aligned position of the transfer table is determined as a function of the determined roll size and the determined inclined position of the material roll. The position of both ends of the sleeve of the material roll, upon insertion of the transfer table into the roll changer, is detected. The material roll is then inclined by a rotary drive which is arranged on the transfer table.

IPC 8 full level

B65H 19/12 (2006.01)

CPC (source: EP US)

B65H 19/12 (2013.01 - EP US); **B65H 19/126** (2013.01 - EP US); **B65H 2301/325** (2013.01 - EP US); **B65H 2301/4172** (2013.01 - EP US); **B65H 2301/4175** (2013.01 - EP US); **B65H 2402/35** (2013.01 - EP US); **B65H 2511/14** (2013.01 - EP US); **B65H 2511/24** (2013.01 - EP US)

Citation (search report)

See references of WO 2007006600A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2009116948 A1 20090507; **US 7832682 B2 20101116**; AT E511489 T1 20110615; DE 102005032600 A1 20070118; DE 102005032600 B4 20071025; EP 1904391 A1 20080402; EP 1904391 B1 20110601; WO 2007006600 A1 20070118

DOCDB simple family (application)

US 92258506 A 20060517; AT 06763162 T 20060517; DE 102005032600 A 20050713; EP 06763162 A 20060517; EP 2006062363 W 20060517