

Title (en)
ROLLING DEVICE

Title (de)
WALZVORRICHTUNG

Title (fr)
DISPOSITIF DE LAMINAGE

Publication
EP 2307152 B1 20130710 (DE)

Application
EP 09777547 A 20090730

Priority
• EP 2009005525 W 20090730
• DE 102008035702 A 20080730

Abstract (en)
[origin: WO2010012465A2] The invention relates to a rolling device comprising at least two working rollers (2, 3) which are each mounted in a rolling stand (6) by means of at least one working roller chock (4, 5), wherein, to adjust a desired rolling nip (7), at least one of the working rollers (2, 3) in the rolling stand (6) can be adjusted relative to the other working roller (2, 3), in particular in the vertical direction, wherein axial displacement means (8) are provided by means of which a working roller (2, 3) can be displaced in its axial direction relative to the rolling stand (6), wherein the axial displacement means (8) comprise an actuating element (9) which is arranged coaxially to the axis (10) of the working roller (2, 3) to be displaced, and wherein at least one working roller (2, 3) is operatively connected to bending means (11) by means of which a roller can be subjected to a bending moment. In order to make it possible in a cost-effective manner to achieve the axial displacement of the working rollers with the simultaneous possibility of subjecting them to a bending moment, the invention provides that, in order to adsorb the force generated by the bending means (11), the working roller chock (4, 5) has arms (12, 13) which protrude laterally as viewed from the axis (10) of the working roller (2, 3), wherein a pressure transmission element (15) which can be displaced relative to the rolling stand (6), in particular in the vertical direction, is arranged between an element (14) of the bending means (11) that produces a pressure force, in particular a piston, and the protruding arm (12, 13) of the working roller chock (4, 5).

IPC 8 full level
B21B 29/00 (2006.01)

CPC (source: EP KR US)
B21B 13/142 (2013.01 - EP US); **B21B 29/00** (2013.01 - EP KR US); **B21B 31/18** (2013.01 - KR); **B21B 37/42** (2013.01 - KR);
B21B 31/18 (2013.01 - EP US)

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
DE 102008035702 A1 20100204; CN 102112245 A 20110629; CN 102112245 B 20140625; EP 2307152 A2 20110413;
EP 2307152 B1 20130710; ES 2426464 T3 20131023; JP 2011529399 A 20111208; KR 101268320 B1 20130528; KR 20110029172 A 20110322;
RU 2461434 C1 20120920; UA 99776 C2 20120925; US 2011132055 A1 20110609; WO 2010012465 A2 20100204;
WO 2010012465 A3 20100514

DOCDB simple family (application)
DE 102008035702 A 20080730; CN 200980129978 A 20090730; EP 09777547 A 20090730; EP 2009005525 W 20090730;
ES 09777547 T 20090730; JP 2011520377 A 20090730; KR 20117003136 A 20090730; RU 2011107283 A 20090730;
UA A201102281 A 20090730; US 200913056786 A 20090730