

Title (en)

DEVICE FOR ADJUSTING A ROLL IN A ROLL STAND

Title (de)

VORRICHTUNG ZUR ANSTELLUNG EINER WALZE IN EINEM WALZGERÜST

Title (fr)

DISPOSITIF DE MISE EN PRISE D'UN CYLINDRE DANS UNE CAGE DE LAMINOIR

Publication

EP 3074148 A1 20161005 (DE)

Application

EP 14802876 A 20141124

Priority

- DE 102013224644 A 20131129
- EP 2014075431 W 20141124

Abstract (en)

[origin: WO2015078822A1] The invention relates to a device for adjusting a roll in a roll housing 210 of a roll stand. The device comprises: a motor for providing an adjusting force for the roll; a drive shaft 120 that can be actuated in a rotatory manner by the motor; and a pressure spindle for transmitting the adjusting force of the motor to the roll. In order to do away with the upstream worm gear used in the prior art, according to the invention, the motor is designed in the form of a hydro- or torque-motor, the pressure spindle 130 is provided with an axially oriented cylindrical receiving space on the motor-side end face 132, the drive shaft 120 can project into the receiving area of the pressure spindle, and the pressure spindle 130 and the drive shaft 120 are coupled to one another in a rotatory manner inside the receiving area.

IPC 8 full level

B21B 31/24 (2006.01)

CPC (source: EP KR RU US)

B21B 13/02 (2013.01 - KR); **B21B 31/24** (2013.01 - EP KR US); **B21B 45/0239** (2013.01 - US); **B21B 31/24** (2013.01 - RU); **B21B 2203/24** (2013.01 - KR)

Citation (search report)

See references of WO 2015078822A1

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)

DE 102013224644 A1 20150603; CN 105934287 A 20160907; CN 105934287 B 20171103; EP 3074148 A1 20161005; EP 3074148 B1 20171122; JP 2016538137 A 20161208; JP 6242491 B2 20171206; KR 101817686 B1 20180115; KR 20160090346 A 20160729; RU 2631550 C1 20170925; US 10124380 B2 20181113; US 2016375475 A1 20161229; WO 2015078822 A1 20150604

DOCDB simple family (application)

DE 102013224644 A 20131129; CN 201480072919 A 20141124; EP 14802876 A 20141124; EP 2014075431 W 20141124; JP 2016535031 A 20141124; KR 20167016784 A 20141124; RU 2016125740 A 20141124; US 201415039491 A 20141124