

Title (en)

PRESS DRIVE DEVICE FOR A PRESS, AND PRESS COMPRISING A PRESS DRIVE DEVICE

Title (de)

PRESSENANTRIEBSVORRICHTUNG FÜR EINE PRESSE UND PRESSE MIT PRESSENANTRIEBSVORRICHTUNG

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT DE PRESSE POUR PRESSE ET PRESSE COMPRENANT UN DISPOSITIF D'ENTRAÎNEMENT DE PRESSE

Publication

EP 3209493 A1 20170830 (DE)

Application

EP 15783975 A 20151008

Priority

- DE 102014115240 A 20141020
- EP 2015073237 W 20151008

Abstract (en)

[origin: WO2016062545A1] The invention relates to a press drive device (21) for a press (10), comprising a connecting rod (49) that has an input end (48) and an output end (50). The output end (50) is preferably coupled to a toggle joint (55) of a toggle mechanism (51). A drive shaft (35) is mounted so as to be rotatable about a shaft axis (W) and includes a connecting rod bearing (46) that is eccentric in relation to the shaft axis (W). The input end (48) of a connecting rod (49) is mounted on the connecting rod bearing (46). At least a first drive housing (24) and a second drive housing (25) are provided on axially opposite sides of the connecting rod bearing (46). The drive shaft (35) projects into both drive housings (24, 25). An electric driving motor (30), preferably a torque motor, is arranged in at least one of the drive housings (24, 25) and comprises a stator (65) which is connected in a rotationally fixed manner to a peripheral wall (26) of the drive housing (24, 25), said peripheral wall (26) being located coaxially around the shaft axis (W). A rotor (66) supported by a rotor hub (67) is arranged radially within the stator (65). Mounting space inside which at least part of a braking device (31) can be arranged is provided between the shaft axis (W) and the rotor (66).

IPC 8 full level

B30B 1/26 (2006.01); **B30B 1/14** (2006.01)

CPC (source: CN EP US)

B30B 1/14 (2013.01 - CN EP US); **B30B 1/266** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2016062545A1

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 102014115240 A1 20160421; **DE 102014115240 B4 20170824**; CN 107000353 A 20170801; CN 107000353 B 20190712; EP 3209493 A1 20170830; US 10723095 B2 20200728; US 2017305094 A1 20171026; WO 2016062545 A1 20160428

DOCDB simple family (application)

DE 102014115240 A 20141020; CN 201580056723 A 20151008; EP 15783975 A 20151008; EP 2015073237 W 20151008; US 201515520654 A 20151008