

Title (en)
Mechanical forming press

Title (de)
Mechnische Umformpresse

Title (fr)
Presse à déformer mécanique

Publication
EP 2228203 A3 20130515 (DE)

Application
EP 10001331 A 20100209

Priority
DE 102009012111 A 20090306

Abstract (en)
[origin: EP2228203A2] The press has a press gearbox (1) on which a press ram is mechanically coupled with a press drive (2), where the press drive comprises an electrical servo motor. The press gearbox has continuously variable transformation ratio between a drive shaft (20) of the servo motor, and an output shaft (30) i.e. eccentric shaft, for the press ram, where the output shaft comprises an eccentric (32). The output shaft is eccentrically arranged with a counter gear (31) and coupled with the counter gear by a drag link assembly (3) of the press gearbox. An independent claim is also included for a method for operating a mechanical forming press.

IPC 8 full level
B30B 1/26 (2006.01)

CPC (source: EP)
B30B 1/266 (2013.01)

Citation (search report)

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- [X] JP 2006192494 A 20060727 - KOMATSU MFG CO LTD, et al
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- [X] JP H10328891 A 19981215 - AMADA ENG CT CO LTD, et al
- [X] WO 2008053678 A1 20080508 - IHI CORP [JP], et al
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- [A] DE 102007026727 A1 20071213 - MUELLER WEINGARTEN MASCHF [DE]
- [A] DE 102006019207 A1 20071025 - MUELLER WEINGARTEN MASCHF [DE]

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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

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2228203 A2 20100915; EP 2228203 A3 20130515; EP 2228203 B1 20150909; CN 101823345 A 20100908; CN 101823345 B 20130724; DE 102009012111 A1 20100916; DE 102009012111 B4 20141002; DK 2228203 T3 20151214; EA 016473 B1 20120530; EA 201000305 A1 20101029; ES 2553853 T3 20151214; HU E025845 T2 20160428; PL 2228203 T3 20160331; PT 2228203 E 20151231; SI 2228203 T1 20160129; UA 98663 C2 20120611

DOCDB simple family (application)
EP 10001331 A 20100209; CN 201010127746 A 20100308; DE 102009012111 A 20090306; DK 10001331 T 20100209; EA 201000305 A 20100304; ES 10001331 T 20100209; HU E10001331 A 20100209; PL 10001331 T 20100209; PT 10001331 T 20100209; SI 201031074 T 20100209; UA A201002508 A 20100305