

Title (en)
Drive device for a bending press

Title (de)
Antriebsvorrichtung für eine Biegepresse

Title (fr)
Dispositif d'entraînement pour une presse plieuse

Publication
EP 2036711 B1 20160817 (DE)

Application
EP 08005440 A 20080322

Priority
AT 14282007 A 20070912

Abstract (en)
[origin: EP2036711A1] The device (1) has a hydraulic system (18) provided with a ring circuit (44) with a hydraulic pump (47). The hydraulic system forms a closed flow circuit for pressure mediums with pipelines (51, 53) of the ring circuit between pressure chambers (22, 23) of dual-side working differential pressure cylinders (12) and the pump. The closed flow circuit is switched by 3/2-way control valves (39, 41, 58). A pressure accumulator (57) e.g. piston accumulator, is selectively flow-connected with one of the pipelines by the valves for accumulating or discharging of storage volume of the mediums.

IPC 8 full level
B21D 5/02 (2006.01); **B30B 15/16** (2006.01); **F15B 1/02** (2006.01); **F15B 7/00** (2006.01)

CPC (source: EP US)
B30B 15/16 (2013.01 - EP US); **B30B 15/163** (2013.01 - EP US); **F15B 7/006** (2013.01 - EP US); **F15B 11/024** (2013.01 - EP US); **F15B 2211/20515** (2013.01 - EP US); **F15B 2211/20561** (2013.01 - EP US); **F15B 2211/212** (2013.01 - EP US); **F15B 2211/625** (2013.01 - EP US); **F15B 2211/7053** (2013.01 - EP US); **F15B 2211/88** (2013.01 - EP US)

Cited by
DE102009052531A1; EP2431166A1; CN110319065A; DE102012015118B3; CN108907336A; CN101973138A; CN102549273A; CN105443467A; CN105522024A; DE102016215311A1; CN109563850A; EP3552812A1; WO2011003506A1; WO2018033361A1; WO2011057773A2; US9044913B2

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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EP 08005440 A 20080322; AT 14282007 A 20070912; AT 2008000325 W 20080912; CN 200880113317 A 20080912; US 73362308 A 20080912