

Title (en)

Hydraulic press for plastic and metal processing

Title (de)

Hydraulische Presse für die Kunststoff- und Metallverarbeitung

Title (fr)

Presse hydraulique pour le traitement de matière plastique et de métal

Publication

EP 1839844 A3 20120404 (DE)

Application

EP 07006727 A 20070330

Priority

DE 102006015022 A 20060331

Abstract (en)

[origin: EP1839844A2] The press has a rapid motion cylinder (12) arranged with a tappet binding for the fast idle stroke of the plunger. The piston (6) or the working cylinder (7) is firmly arranged at the upper crosshead (11) of the press frame (1) to the press table. The piston has a centrically arranged cylindrical extension (18) for the sliding guidance of a shaft (3), and the shaft is connected with the press plunger (2).

IPC 8 full level

B30B 1/32 (2006.01); **B30B 15/16** (2006.01)

CPC (source: EP US)

B30B 1/323 (2013.01 - EP US); **B30B 1/34** (2013.01 - EP); **B30B 15/0035** (2013.01 - EP US); **B30B 15/161** (2013.01 - EP US)

Citation (search report)

- [I] US 4809535 A 19890307 - ELLIS DAVID L [US]
- [A] DE 4032106 A1 19910529 - VOEST ALPINE MACH CONST [AT]
- [A] DE 10041397 A1 20020314 - ERFURT UMFORMTECHNIK GMBH [DE]

Cited by

CN105983605A; IT202100001832A1; CN104827707A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1839844 A2 20071003; **EP 1839844 A3 20120404**; **EP 1839844 B1 20131002**; CN 101062598 A 20071031; CN 101062598 B 20130327; DE 102006015022 A1 20071011; DE 102006015022 B4 20080327; ES 2466166 T3 20140609; US 2007292548 A1 20071220; US 7699593 B2 20100420

DOCDB simple family (application)

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