

Title (en)

Powder press and die plate for a powder press

Title (de)

Pulverpresse und Matrizenplatte für eine Pulverpresse

Title (fr)

Presse à poudre et plaque de matriçage pour une presse à poudre

Publication

EP 2095933 A3 20110420 (DE)

Application

EP 09153875 A 20090227

Priority

DE 102008011853 A 20080228

Abstract (en)

[origin: EP2095933A2] The press has a die plate (16) provided with a die opening (20). A plunger pair including a lower plunger and an upper plunger is associated to the die opening. The die plate is locked in a selected position by a self-adjustable clamping device (24) i.e. quick clamp device. The die plate is arranged on a part of a frame. The clamping device has a clamping ring (28) operated via a clamping lever (26). The clamping ring has a material-thick area and a material-thin area that are selectively engaged with a locking pin of the die plate, in corresponding positions.

IPC 8 full level

B30B 11/04 (2006.01); **B30B 15/02** (2006.01); **B30B 15/28** (2006.01)

CPC (source: EP)

B30B 11/04 (2013.01); **B30B 15/026** (2013.01); **B30B 15/287** (2013.01)

Citation (search report)

- [XA] EP 1316411 A2 20030604 - FETTE GMBH [DE]
- [XI] JP H0839297 A 19960213 - HATA IRON WORKS
- [XI] JP H0899199 A 19960416 - HATA IRON WORKS
- [X] FR 1400227 A 19650521 - SMERALOVY ZD Y NARODNI PODNIK
- [X] JP H05131294 A 19930528 - TDK CORP
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- [A] EP 0388335 A1 19900919 - STAUBLI SA ETS [FR]
- [A] DE 1129913 B 19620524 - LOEWY ENG CO LTD

Cited by

US8814549B2; US9770852B2; US10988238B2; WO2012089198A1; US8961162B2; US9370913B2

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 TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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