

Title (en)

Press and tool with holding device for a workpiece

Title (de)

Presse und Werkzeug mit Haltevorrichtung für ein Werkstück

Title (fr)

Presse et outil doté d'un dispositif de retenue pour une pièce usinée

Publication

EP 2329895 A3 20140514 (DE)

Application

EP 10189485 A 20101029

Priority

AT 17132009 A 20091030

Abstract (en)

[origin: EP2329895A2] The press (1) has tools (2a, 3) e.g. plungers and molds, displaced against each other to apply press force on a work-piece (8), which is arranged between the tools, in a press position. Portions (2a2) of one of the tools (2a) are movable against portions (2a1, 2a3) of the other tool (3) such that the former portions remain in a press position to exert reduced retaining force on the work-piece against press force, when the latter portions are found in a resting position, or in an intermediate position that is provided between the press position and the resting position.

IPC 8 full level

B21D 5/02 (2006.01); **B21D 22/06** (2006.01); **B21D 37/08** (2006.01)

CPC (source: EP)

B21D 5/0209 (2013.01); **B21D 22/06** (2013.01); **B21D 37/08** (2013.01); **B30B 15/026** (2013.01); **B30B 15/065** (2013.01)

Citation (search report)

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- [X] JP S6380928 A 19880411 - HONDA MOTOR CO LTD
- [X] US 3252315 A 19660524 - MUENCH WALTER W
- [A] DE 3245755 A1 19840614 - DORSTENER MASCHF AG [DE]
- [A] EP 1658908 A1 20060524 - AMADA CO LTD [JP]

Cited by

EP4116001A1; CN108582736A

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)

EP 2329895 A2 20110608; EP 2329895 A3 20140514; EP 2329895 B1 20160525; AT 509004 A1 20110515; AT 509004 B1 20110715

DOCDB simple family (application)

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