

Title (en)
PRESSING MACHINE AND PRESS FORMING METHOD

Title (de)
PRESSMASCHINE UND PRESSFORMVERFAHREN

Title (fr)
MACHINE DE PRESSAGE ET PROCÉDÉ DE FORMAGE PAR PRESSE

Publication
EP 3738690 A1 20201118 (EN)

Application
EP 20167031 A 20200331

Priority
JP 2019093994 A 20190517

Abstract (en)
Provided is a pressing machine and a press forming method in which sliding contact marks are hardly to be formed on a workpiece. A pressing machine (10) of the present disclosure includes a punch (20), which is in a state of being inserted into a cylindrical workpiece (90), enters a forming hole (50) of a die (41) to strip off or draw a cylindrical wall (91) of the workpiece (90) between the outer surface of the punch (20) and the inner surface of the forming hole (50). The pressing machine (10) includes a stripper (30) configured to come into contact with the workpiece (90) to retain the workpiece (90) within the forming hole (50) wherein the punch (20) moves toward the top dead center, and a knockout pin (55) configured to push the workpiece (90) out of the forming hole (50) after the punch (20) has come out of the workpiece (90).

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B21D 45/06 (2006.01); **B21D 22/21** (2006.01)

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Citation (applicant)
JP 2016182640 A 20161020 - ASAHI- SEIKI MFG CO LTD

Citation (search report)

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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)
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EP 20167031 A 20200331; CN 202010087620 A 20200211; JP 2019093994 A 20190517; KR 20200123515 A 20200924