

Title (en)
PRESS MACHINE AND PRESS-WORKING METHOD

Title (de)
PRESSMASCHINE UND PRESSBEARBEITUNGSVERFAHREN

Title (fr)
MACHINE DE PRESSE ET PROCÉDÉ DE TRAVAIL À LA PRESSE

Publication
EP 3738757 A1 20201118 (EN)

Application
EP 19738962 A 20190110

Priority
• JP 2018002471 A 20180111
• JP 2019000450 W 20190110

Abstract (en)
In a press machine, a ram (1) is vertically moved by rotations of an eccentric shaft. The press machine includes a striker housing (9) provided beneath the ram (1) and vertically moved together with the ram (1), a striker (3) vertically movable with respect to the striker housing (9), and a hold mechanism (11, 13, 15, 19, 21, 25) for holding the striker (3) at a lift-up position and a lift-down position. According to the press machine, press working can be done surely even when reciprocating rotations of the eccentric shaft are done in a vicinity of a rotational angle 90° (or 270°) of the eccentric shaft.

IPC 8 full level
B21D 28/34 (2006.01); **B30B 1/26** (2006.01); **B30B 15/06** (2006.01)

CPC (source: EP)
B21D 28/002 (2013.01); **B30B 1/26** (2013.01); **B30B 15/0035** (2013.01); **B30B 15/06** (2013.01)

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 3738757 A1 20201118; **EP 3738757 A4 20210324**; **EP 3738757 B1 20220518**; JP 2019118952 A 20190722; JP 6550481 B2 20190724; WO 2019139064 A1 20190718

DOCDB simple family (application)
EP 19738962 A 20190110; JP 2018002471 A 20180111; JP 2019000450 W 20190110