

Title (en)  
PRESSING DEVICE FOR WORK PIECES

Title (de)  
PRESSMASCHINE ZUM VERPRESSEN VON WERKSTÜCKEN

Title (fr)  
MACHINE DE PRESSAGE DESTINÉE AU PRESSAGE D'OUTILS

Publication  
**EP 3643422 B1 20230607 (DE)**

Application  
**EP 18202607 A 20181025**

Priority  
EP 18202607 A 20181025

Abstract (en)  
[origin: US2020130313A1] A pressing tool for pressing workpieces is described. The pressing tool comprises a hydraulic pump for conveying a hydraulic fluid, an electric motor for driving the hydraulic pump, a working cylinder which is hydraulically connected to an outlet of the hydraulic pump, a pressure-relief valve which is hydraulically connected to the outlet of the hydraulic pump and which opens at a certain predefined pressure Pv of the hydraulic fluid, an electronic control for controlling the electric motor and a sensor 60 which monitors the state of the pressure-relief valve and emits a signal which describes the state of the pressure-relief valve to the electronic control. Furthermore, a method of operating such a pressing tool is described.

IPC 8 full level  
**F04B 49/03** (2006.01); **B25B 27/10** (2006.01); **F04B 17/03** (2006.01); **F04B 49/06** (2006.01); **F04B 49/08** (2006.01)

CPC (source: CN EP US)  
**B21D 39/048** (2013.01 - US); **B25B 27/026** (2013.01 - US); **B25B 27/10** (2013.01 - EP); **B25F 5/005** (2013.01 - US); **B30B 1/32** (2013.01 - CN); **B30B 15/0094** (2013.01 - US); **B30B 15/16** (2013.01 - CN); **B30B 15/166** (2013.01 - CN US); **F04B 17/03** (2013.01 - EP); **F04B 49/03** (2013.01 - EP); **F04B 49/06** (2013.01 - EP); **F04B 49/08** (2013.01 - EP)

Citation (examination)  
• IT 201800007471 A1 20200124  
• IT 201800005458 A1 20191117

Cited by  
CN113685404A; WO2023005861A1

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

DOCDB simple family (publication)  
**EP 3643422 A1 20200429**; **EP 3643422 B1 20230607**; **EP 3643422 B8 20230726**; CN 111098540 A 20200505; CN 111098540 B 20220906; US 11772349 B2 20231003; US 2020130313 A1 20200430

DOCDB simple family (application)  
**EP 18202607 A 20181025**; CN 201911022317 A 20191025; US 201916663622 A 20191025