

Title (en)  
PUNCH PRESS

Title (de)  
LOCHPRESSE

Title (fr)  
PRESSE À POINÇONNER

Publication  
**EP 3006130 A4 20170208 (EN)**

Application  
**EP 14800914 A 20140411**

Priority  
• JP 2013109586 A 20130524  
• JP 2014060551 W 20140411

Abstract (en)  
[origin: EP3006130A1] The punch press includes a punch support body, on which a plurality of punches are mounted, and an integrated die support body (3) positioned below the integrated punch support body and having a plurality of dies (5) mounted thereon to perform a punching process in cooperation with the punches. The integrated die support body (3) is of such a design that the plurality of the dies (5) are juxtaposed along a rim of the integrated die support body (3). The integrated die support body (3) includes an integrated die support main body (21) and an in-and-out moving body (22) that enables at least a portion thereof to assume a condition emerging out of the rim of the integrated die support body (21) while its connection with the integrated die support main body (21) is retained. Some of the dies (5) disposed in the integrated die support body (3) are disposed in the in-and-out moving body (22).

IPC 8 full level  
**B21D 28/34** (2006.01); **B21D 28/36** (2006.01); **B21D 37/14** (2006.01)

CPC (source: EP US)  
**B21D 28/12** (2013.01 - US); **B21D 28/125** (2013.01 - EP US); **B21D 37/145** (2013.01 - EP US); **B21D 28/34** (2013.01 - EP US);  
**B21D 28/36** (2013.01 - EP US)

Citation (search report)  
• [A] EP 0802000 A1 19971022 - MURATA MACHINERY LTD [JP]  
• [AD] JP H03116223 U 19911202  
• [A] US 5269739 A 19931214 - MAYNARD SCOTT D [US], et al  
• [A] JP H0422130 U 19920224  
• See references of WO 2014188814A1

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 3006130 A1 20160413; EP 3006130 A4 20170208**; CN 105228770 A 20160106; CN 105228770 B 20170606; JP 5987979 B2 20160907;  
JP WO2014188814 A1 20170223; US 2016089710 A1 20160331; WO 2014188814 A1 20141127

DOCDB simple family (application)  
**EP 14800914 A 20140411**; CN 201480028822 A 20140411; JP 2014060551 W 20140411; JP 2015518154 A 20140411;  
US 201414892636 A 20140411