

Title (en)
FORGING PRESS OF THE UNDERFLOOR TYPE

Publication
EP 0165518 B1 19890802 (DE)

Application
EP 85106704 A 19850531

Priority
DE 3422644 A 19840619

Abstract (en)
[origin: US4607518A] In a forging press of underfloor construction, the vertically travelling frame has a lower crosshead which fits around and is guided on a hollow guide shaft which projects downwards from the table crosshead or platten of the press. The hollow guide shaft serves also as the working cylinder of the press. A working plunger piston which is slidable in the cylinder is coupled to the lower travelling crosshead of the press frame through spherical jointing to eliminate transverse forces on the piston.

IPC 1-7
B21J 9/02

IPC 8 full level
B21J 9/02 (2006.01); **B21J 13/04** (2006.01); **B30B 1/32** (2006.01)

CPC (source: EP US)
B21J 9/02 (2013.01 - EP US); **B21J 13/04** (2013.01 - EP US)

Citation (examination)

- FR 1254198 A 19610217 - HYDRAULIK GMBH
- Sonderabdruck aus "Stahl und Eisen", Heft 15,84,Jahrgang 64, Seite 913-919
- "MPT, Metallurgical Plant and Technology",Vol2,1979,Seiten 3-10 Firmenschrift P1/2110,Schloemann-Siemag
- Müller, Ernst, "Hydraulische Pressen und Druckflüssigkeitsanlagen", Erster Band,"Schmiedepressen",Dritte Auflage, 1962, Seite 32-34, 58 und 59.

Cited by
FR2951990A1; EP0360875A1; CN101687379A; US8739595B2; WO2009000100A1

Designated contracting state (EPC)
AT DE FR GB IT

DOCDB simple family (publication)
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