

Title (en)

COMBINED HYDRAULIC DEVICE FOR CLAMPING AND ROTATING THE UPPER PRESS TOOL IN FORGING PRESSES

Publication

EP 0043982 B1 19830921 (DE)

Application

EP 81105078 A 19810701

Priority

DE 3026295 A 19800711

Abstract (en)

[origin: US4391122A] The moving crosshead of a forging press has quick-release clamping means for the upper press saddle comprising rotatable and retractable hammer-headed clamping rods, and means for rotating the upper saddle comprising a central rotatable hammer-headed rod engageable with and disengageable from a seat provided on the saddle and adapted to suspend the saddle while rotating it.

IPC 1-7

B21J 13/03

IPC 8 full level

B21D 37/04 (2006.01); **B21J 13/03** (2006.01); **B21J 13/08** (2006.01); **B30B 15/02** (2006.01)

CPC (source: EP US)

B21J 13/03 (2013.01 - EP US); **B21J 13/085** (2013.01 - EP US); **B30B 15/026** (2013.01 - EP US)

Cited by

EP0576878A1; CN112108601A; EP0473951A3; FR2949712A1; EP0368297A3; FR2623740A1; EP0099027A3; EP3542921A4; WO2011030022A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0043982 A1 19820120; EP 0043982 B1 19830921; DE 3026295 A1 19820211; DE 3160956 D1 19831027; JP S5747542 A 19820318; JP S5846373 B2 19831015; US 4391122 A 19830705

DOCDB simple family (application)

EP 81105078 A 19810701; DE 3026295 A 19800711; DE 3160956 T 19810701; JP 10803681 A 19810710; US 27868181 A 19810629