

Title (en)

HYDRAULIC PRESS HAVING INTEGRATED COLUMN CLAMPS AND ACTUATORS

Publication

EP 0354911 A4 19901205 (EN)

Application

EP 88903099 A 19880315

Priority

US 3438187 A 19870402

Abstract (en)

[origin: WO8807447A1] A hydraulic press (15) has smooth columns (26) that mount relatively movable mold support platens (20, 22) on a bed (16) and a ram or crosshead (18). The bed (16) and ram (18) are rigid, low deflection fabricated members mounted on the columns (26). The clamps (120) that clamp the movable ram (18) in molding position have integrated pressing and stripping cylinders (133) for performing the actual molding operation. The movable ram member (18) is opened and closed with actuators (35) separate from the molding force cylinders (133). The construction permits making a lighter weight press without a heavy crown at the top of the press.

IPC 1-7

B30B 1/38

IPC 8 full level

B30B 1/08 (2006.01); **B30B 1/32** (2006.01); **B30B 15/04** (2006.01); **B30B 15/06** (2006.01)

CPC (source: EP)

B30B 1/323 (2013.01); **B30B 15/06** (2013.01)

Citation (search report)

- [X] US 3540081 A 19701117 - CARRIERI LOUIS F, et al
- [A] GB 402561 A 19331207 - FRIZ ADOLF
- [A] US 3353397 A 19671121 - LEO HOFFMANN
- [A] GB 1245853 A 19710908 - WOTAN WERKE GMBH [DE]
- See references of WO 8807447A1

Designated contracting state (EPC)

DE IT

DOCDB simple family (publication)

WO 8807447 A1 19881006; DE 3883758 D1 19931007; DE 3883758 T2 19931209; EP 0354911 A1 19900221; EP 0354911 A4 19901205; EP 0354911 B1 19930901; JP H04507062 A 19921210

DOCDB simple family (application)

US 8800812 W 19880315; DE 3883758 T 19880315; EP 88903099 A 19880315; JP 50136588 A 19880315