

Title (en)
HYDRAULIC COLD-FORGING PRESS

Publication
EP 0280056 A3 19900523 (DE)

Application
EP 88101156 A 19880127

Priority
DE 3706193 A 19870226

Abstract (en)
[origin: US4831861A] A cold-extrusion press wherein a platen (4) carries a die part (31) and is capable of being moved towards and away from a stationary table (2) by piston/cylinder devices (5, 6), working piston/cylinder device (7) acts upon extrusion mandrel (11) to exert a deforming pressure, control means (41) activates an adjustable main valve (12, 28) adjustable for different values of travel and speed of the extrusion mandrel (11), platen (4) entrains the extrusion mandrel (11) by spaced stops (22, 23) to an initial position before the extruding stroke, the working piston/cylinder device (7) is subdivided into two working units (8, 9) arranged in tandem and acting upon the same piston rod (10), and only part of the pressure fluid supplied by the working piston/cylinder device (7) is delivered through the main valve (12) to the one working unit (8), whereas the other part of the pressure fluid is delivered to the other working unit (9) without a controlled main valve. Straightforward selection of different values of extrusion travel and speed is afforded by the main valve and the allied control device in a hydraulic press.

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IPC 8 full level
B21J 9/06 (2006.01); **B21J 9/12** (2006.01); **B21J 9/20** (2006.01)

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Citation (search report)
• [A] US 4321818 A 19820330 - BESSHO MICHIO
• [A] DE 3223517 A1 19831229 - KEILHOLZ FRIEDRICH DR ING
• [A] DE 3230930 A1 19840223 - SCHIRMER PLATE UND SIEMPELKAMP [DE]
• [A] PATENT ABSTRACTS OF JAPAN, Band 8, Nr. 258 (M-340)[1695], 27. November 1984; & JP-A-59 130 642 (KOYO SEIKI) 27-07-1984

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