

Title (en)

DRAWING DEVICE IN DRAWING STAGES OF PRESSES

Publication

EP 0422491 B1 19930609 (DE)

Application

EP 90118941 A 19901004

Priority

DE 3933806 A 19891010

Abstract (en)

[origin: EP0422491A1] In a drawing device (2) in drawing stages of a press, the pressure cheek (3) is divided into segments (4), in the corner regions of which pressure cylinders (9) engage. The pressure cylinders (9) are fixed to the press. Their piston rods act via connecting rods (10) on a bracket (5) which can be raised and lowered. At least one locking cylinder (14) fixed to the frame is provided, engaging via a lifting bridge (12) on the bracket (5) and, in accordance with the supply of pressure to it, prevents an upward movement of the bracket (5) and hence of the pressure cheek (3). The point in time at which the holding phase occurs in the upward movement phase can be determined by valve control of the pressure in the locking cylinders (14). <IMAGE>

IPC 1-7

B21D 24/14

IPC 8 full level

B21D 22/00 (2006.01); **B21D 24/00** (2006.01); **B21D 24/14** (2006.01)

CPC (source: EP US)

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DOCDB simple family (publication)

EP 0422491 A1 19910417; **EP 0422491 B1 19930609**; CA 2027101 A1 19910411; CA 2027101 C 20000502; DE 3933806 A1 19911114; DE 59001697 D1 19930715; ES 2042168 T3 19931201; RU 1829977 C 19930723; US 5099673 A 19920331

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