

Title (en)

Hydraulically actuated mechanism with automatic stroke change

Title (de)

Fluidbetriebenes Schlagwerk mit automatischer Hubumschaltung

Title (fr)

Dispositif hydraulique à percussion avec inversion automatique de la course du piston

Publication

EP 0827813 B1 20030319 (DE)

Application

EP 97114714 A 19970826

Priority

DE 19636659 A 19960910

Abstract (en)

[origin: EP0827813A2] The hammer mechanism (1) has a striking piston (3) moving alternately through working strokes and return strokes under the influence of a control valve (5). The control unit is itself influenced by a servo valve (14) with a returning device (17, 17a) which can be in locked position or open position, depending on the setting of the striking piston. When the piston limit setting in the direction of the working stroke (3e) is exceeded, the control valve is changed to the return stroke setting. During the return stroke immediately following, a short stroke line (18) pressurises the control valve in advance into the working stroke position so that the piston only makes a short stroke.

IPC 1-7

B25D 9/14

IPC 8 full level

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CPC (source: EP US)

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Designated contracting state (EPC)

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