

Title (en)
Hydraulic percussion hammer

Title (de)
Hydraulischer Schlaghammer

Title (fr)
Marteau à percussion hydraulique

Publication
EP 0672506 B1 20010711 (DE)

Application
EP 94117814 A 19941111

Priority
DE 4405381 A 19940219

Abstract (en)
[origin: EP0672506A1] A hammer housing (20) connected to a pressure conduit (10) and a backflow conduit (12) contains a working cylinder (21) in which a piston (22) is movable and a back space (50) in which the rearward end of the hammer piston moves. A control device (40) introduces pressure fluid into the working cylinder, and the piston alternatively executes forwardly directed work strokes and back strokes. The piston during the work stroke strikes against an anvil surface (23). To the back space a pressure gas accumulator (52) is connected and the back space is connected to a pressure source via a feed conduit (55), contg. a pressure-controlled valve (58). The valve supplies a constant pressure which is lower than that in the pressure conduit (10), and the back space remains closed during the back stroke of the piston.

IPC 1-7
B25D 9/14

IPC 8 full level
B25D 9/14 (2006.01)

CPC (source: EP US)
B25D 9/145 (2013.01 - EP US)

Cited by
DE10003415A1; DE10003415B4

Designated contracting state (EPC)
AT CH DE FR GB IE IT LI SE

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WO 9522442 A1 19950824; AT E202963 T1 20010715; DE 59409798 D1 20010816; EP 0672506 A1 19950920; EP 0672506 B1 20010711; JP H08509431 A 19961008; US 5718297 A 19980217

DOCDB simple family (application)
EP 9500479 W 19950210; AT 94117814 T 19941111; DE 59409798 T 19941111; EP 94117814 A 19941111; JP 52155995 A 19950210; US 53774095 A 19951228