Title (en)

HYDRAULICALLY OPERATED PERCUSSION MECHANISM

Publication

EP 0475171 A3 19920520 (DE)

Application

EP 91114231 A 19910824

Priority

DE 4028595 A 19900908

Abstract (en)

[origin: EP0475171A2] The object of the invention is to configure a percussion mechanism in such a way that the number of blows - and hence the return stroke and the individual impact energy of the percussion piston - is matched automatically to changing working conditions via an internal control system as a function of the contact pressure on the tool insertion end. <??>For this purpose the invention proposes to hold a contact-pressure control element (31) at least temporarily in contact with the insertion end (12) under the action of a resetting arrangement (31a, 22) acting in the striking direction (arrow 18) and, via this contact-pressure control element, to connect a control conduit (35) either to a pressure conduit (22) or to a balanced return conduit (25). <??>Via the control conduit, a switching element (30) can be actuated in such a way that the control device (4) alternately switching over the movement of the piston performs the reversing movement into the working-stroke position at an earlier or later point in time during the return stroke (arrow 19) of the percussion piston, thereby triggering the working stroke of the percussion piston in the striking direction. <IMAGE>

IPC 1-7

B25D 9/26; B25D 9/14

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CPC (source: EP US)

B25D 9/145 (2013.01 - EP US); **B25D 9/26** (2013.01 - EP US)

Citation (search report)

- [A] DE 3523219 C1 19860626 - KLEMM BOHRTECH
- [A] EP 0080446 A2 19830601 - ATLAS COPCO AB [SE]
- [AD] DE 2658455 A1 19780629 - KRUPP GMBH

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DOCDB simple family (publication)

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