

Title (en)

Percussion equipment driven by a pressurized incompressible fluid

Title (de)

Durch eine unter Druck stehende unkomprimierbare Flüssigkeit angetriebene Schlagausrüstung

Title (fr)

Appareil à percussions mû par un fluide incompressible sous pression

Publication

EP 2032316 B1 20130508 (FR)

Application

EP 07803791 A 20070627

Priority

- FR 2007001082 W 20070627
- FR 0605764 A 20060627

Abstract (en)

[origin: WO2008000958A2] The equipment comprises a body (2) inside which there are a bore in which a tool (3) is slideably mounted and a stepped bore forming a cylinder for a stepped piston (1) which together with this bore delimits a top chamber (5) and a bottom chamber (4) which chambers are sequentially supplied with incompressible fluid under high pressure under the action of a directional control valve (6), a control device varying the stroke of the striking piston between a long stroke and a short stroke and vice versa. The control device comprises a cylinder into which there opens at least one port (14) which also opens into the cylinder of the striking piston (1), and a port (13) connected to the directional control valve and in which a spool (12) is mounted, a first face of which spool lies in a first chamber (17) constantly subjected to a determined pressure and the second face of which spool lies in a second chamber (21) connected to a braking chamber (10).

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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