

Title (en)

METHOD OF CONTROLLING THE MOVEMENT OF THE IMPACTING PISTON OF A NON-COMPRESSIBLE FLUID-ACTUATED PERCUSSION DEVICE, AND DEVICE THEREFOR

Publication

EP 0214064 B1 19900801 (FR)

Application

EP 86420181 A 19860707

Priority

- FR 8511346 A 19850716
- FR 8604302 A 19860318

Abstract (en)

1. A method of controlling the movement of the impacting piston of a non-compressible pressure fluid-actuated percussion apparatus, supplied in a manner such that the resultant of the hydraulic force is applied successively in one direction and then in the other, the apparatus being equipped with hydraulically controlled regulating devices adapted to cause the percussion parameters, the speed of impact and the frequency of impact of the piston to vary, characterised in that it consists in modifying, at each impact of the piston (1) on the tool, the fluid flow in a conduit connected to the devices regulating the percussion parameters, relative to the time during which the piston remains close to its theoretical impact zone.

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IPC 8 full level

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CPC (source: EP US)

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Cited by

US5669281A; US5890548A; EP0752297A3; FR2902684A1; DE4036918A1; EP0486898A1; EP0688636A1; US5653295A; EP0461565A1; DE4019019A1; US8151900B2; WO2008000958A3; WO2013083903A1; US9981371B2; EP0715932A1; WO2019158849A1; EP0256955B1; EP1963052A4

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