

Title (en)  
ROTARY-PERCUSSIVE HYDRAULIC DRILL PROVIDED WITH A CONTROL CHAMBER WHICH IS PERMANENTLY CONNECTED TO A LOW-PRESSURE ACCUMULATOR

Title (de)  
HYDRAULISCHER DREHSCHLAGBOHRER MIT EINER PERMANENT AN EINEM NIEDERDRUCKSPEICHER ANGESCHLOSSENEN STEUERKAMMER

Title (fr)  
PERFORATEUR HYDRAULIQUE ROTO-PERCUTANT POURVU D'UNE CHAMBRE DE COMMANDE RELIÉE EN PERMANENCE À UN ACCUMULATEUR BASSE PRESSION

Publication  
**EP 3752325 A1 20201223 (FR)**

Application  
**EP 19705982 A 20190116**

Priority  
• FR 1851249 A 20180214  
• FR 2019050089 W 20190116

Abstract (en)  
[origin: CA3088119A1] The rotary-percussive hydraulic drill (2) comprises a body (3); a fitting (15); a striking piston (5) configured to strike the fitting (15); an impact piston (13) having a front face (18) facing the fitting (15) and a rear face (19) facing a rear wall (21) of a cavity (14) which receives the impact piston; and a main hydraulic supply circuit comprising a high-pressure fluid supply line (9) and a low-pressure fluid return line (11). The body (3) and the impact piston (13) define a first control chamber (22) which is permanently connected to the high-pressure fluid supply line (9) and configured to urge the impact piston (13) forwards, and a second control chamber (25) which is configured to urge the impact piston (13) forwards and permanently connected to a low-pressure accumulator (26) which is connected to the low-pressure fluid return line (11).

IPC 8 full level  
**B25D 17/06** (2006.01); **B25D 9/14** (2006.01); **B25D 17/24** (2006.01); **E21B 1/02** (2006.01); **E21B 6/00** (2006.01)

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