

Title (en)
CONTROL OF A HYDRAULIC PERCUSSIVE DRILLING DEVICE

Publication
EP 0203282 B1 19890628 (DE)

Application
EP 86103012 A 19860306

Priority
DE 3518892 A 19850525

Abstract (en)
[origin: EP0203282A1] 1. A hydraulic impact drill device comprising a hydraulic drill hammer (10), the number of impact of which can be regulated by means of an actuating pressure, a rotating hydraulic motor (47) for rotating the drill rod (50) on which the drill hammer acts and a hydraulic advancing means (51) to advance the drill rod, the actuating pressure being derived from the working pressure of the advancing means (51), characterized in that the control duct (43) leading the actuating pressure is connected to a shuttle valve (57), which lets through the highest one of several inlet pressures and a first inlet pressure of the shuttle valve (57) is derived from the pressure (PV) of the advancing means (51) and a second inlet pressure is derived from the pressure (PD) of the torque motor (47).

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B25D 9/26; E21C 5/16

IPC 8 full level
B25D 9/26 (2006.01); **E21B 1/26** (2006.01); **E21B 44/06** (2006.01)

CPC (source: EP)
B25D 9/265 (2013.01); **E21B 44/06** (2013.01)

Cited by
EP0384888A1; CN111677490A; DE4424080C1; DE4424081A1; CN107191636A; CN110725816A; DE4424079C1; EP0472982A3; DE4027021A1; US5064003A; CN107336198A; EP0764502A1; US6044918A; DE4424078A1; CN103089148A; WO8910465A1

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