

Title (en)
IMPROVED ROCK DRILL

Title (de)
VERBESSERTER STEINBOHRER

Title (fr)
FLEURET DE MINE AMÉLIORÉ

Publication
EP 2614217 A4 20151007 (EN)

Application
EP 11822919 A 20110228

Priority
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• AU 2011000220 W 20110228

Abstract (en)
[origin: WO2012031311A1] A rock drill including a first control valve (80), a first fluid circuit (70) suppliable with fluid via the first control valve (80), an impact piston (66) driveable by fluid pressure in the first fluid circuit, a plurality of first fluid circuit feedback paths (72) from the impact piston (66) to the control valve (80), a damping body (50) for damping backpressure from a rock face, a damping fluid chamber (52), associated with the damping body (50), characterised in a second fluid circuit (56) in fluid communication with the damping fluid chamber (52) and a stroke length control mechanism (91) actuatable by fluid pressure in the second fluid circuit (56), wherein flow of fluid in said first fluid circuit feedback paths (72) is controllable by the stroke length control mechanism (91), whereby the driveable stroke length of said impact piston 66 may be adjusted.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)
• [X] EP 0080446 A2 19830601 - ATLAS COPCO AB [SE]
• [X] DE 112004002298 T5 20060928 - KONAN CONSTRUCTION MACHINERY C [JP]
• [X] JP 2003311651 A 20031105 - FURUKAWA CO LTD
• See references of WO 2012031311A1

Designated contracting state (EPC)
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