

Title (en)
Method of controlling an impact motor and an impact motor.

Title (de)
Schlagwerkzeug und Steuerverfahren dafür.

Title (fr)
Machine à percussion et procédé de contrôle de ladite machine.

Publication
EP 0080446 A2 19830601 (EN)

Application
EP 82850229 A 19821112

Priority
SE 8106907 A 19811120

Abstract (en)
In a rock drill, the feed force is transmitted from the housing 11 of the rock drill to the drill stem or drill stem adapter 14 via damping piston 17. The damping piston 17 rebounds by the reflected compressive shock waves and the rebound is sensed and used to control a control pin 48 which adjusts the stroke length of the hammer piston 13 so that the reflected shock wave energy is minimized.

IPC 1-7
B25D 9/26; **B25D 9/12**; **B25D 17/24**; **E21C 3/20**

IPC 8 full level
B25D 9/12 (2006.01); **B25D 9/14** (2006.01); **B25D 9/26** (2006.01); **B25D 17/24** (2006.01)

CPC (source: EP US)
B25D 9/12 (2013.01 - EP); **B25D 9/145** (2013.01 - EP); **B25D 9/26** (2013.01 - EP); **B25D 17/245** (2013.01 - EP); **E21B 1/38** (2020.05 - EP US)

Cited by
EP0112810A3; EP2614217A4; EP0389454A1; DE19545708A1; FR2598111A1; EP0214064A1; FR2595972A2; EP0471649A1; FR2647870A1; US5056606A; EP0256955A1; FR2602448A1; FR2837523A1; AU2005259128B2; EP0715932A1; FR2727891A1; US5669281A; EP2059369A4; US7654337B2; EP0522344A3; EP0475171A3; EP2566665A4; FR3077752A1; CN111712353A; WO2004042193A1; WO0183170A1; US9511489B2; US7234548B2; US7717190B2; US10456898B2; US11724379B2; WO2006003259A1; WO03078107A1; CN102164714A; AU2009299713B2; CN105980658A; KR20160119074A; EP3105415A4; WO2019158834A1; WO2010037905A1; WO2015122824A1; EP2614217A1

Designated contracting state (EPC)
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DOCDB simple family (application)
EP 82850229 A 19821112; JP 20219682 A 19821119; SE 8106907 A 19811120