

Title (en)

METHOD FOR CONTROLLING THE IMPACT ENERGY OF AN IMPULSE PISTON OF A PERCUSSION TOOL

Title (de)

VERFAHREN ZUR STEUERUNG DER AUFPRALLENERGIE EINES IMPULSKOLBENS EINES SCHLAGWERKZEUGS

Title (fr)

PROCÉDÉ DE COMMANDE DE L'ÉNERGIE D'IMPACT D'UN PISTON DE FRAPPE D'UN APPAREIL À PERCUSSIONS

Publication

**EP 3007866 A1 20160420 (FR)**

Application

**EP 14727769 A 20140522**

Priority

- FR 1355418 A 20130612
- EP 2014060572 W 20140522

Abstract (en)

[origin: WO2014198514A1] This control method involves the steps consisting in providing a control device (16) designed to regulate the impact energy of the impulse piston (4) of a percussion tool (2), providing a control unit (17) designed to apply a control setpoint to the control device (16), setting the percussion tool (2) in operation, measuring at least one seismic data item near a structure (13) that is to be protected, transmitting the at least one seismic data item measured to the control unit (17), comparing the at least one seismic data item received by the control unit (17) with a predetermined threshold value, correcting the control setpoint for the control device (16) as a function of the at least one seismic data item received, and using the control unit (17) to apply said corrected control setpoint to the control device (16).

IPC 8 full level

**E02F 5/32** (2006.01); **B25D 9/26** (2006.01); **E02F 3/96** (2006.01); **E02F 9/24** (2006.01)

CPC (source: EP US)

**B25D 9/26** (2013.01 - EP US); **E02F 3/966** (2013.01 - EP US); **E02F 5/323** (2013.01 - EP US); **E02F 9/20** (2013.01 - US); **E02F 9/245** (2013.01 - EP US)

Citation (search report)

See references of WO 2014198514A1

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2014198514 A1 20141218**; CN 105324217 A 20160210; CN 105324217 B 20170704; EP 3007866 A1 20160420; EP 3007866 B1 20170712; ES 2642826 T3 20171120; FR 3007154 A1 20141219; FR 3007154 B1 20150605; KR 102143364 B1 20200811; KR 20160018521 A 20160217; US 2016121472 A1 20160505

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