

Title (en)

Power hammer-drill with rotating piston guide tube

Title (de)

Schlagendes Handwerkzeuggerät mit drehendem Führungsrohr

Title (fr)

Marteau perforateur avec tube rotatif pour le guidage du piston

Publication

EP 1215016 B1 20071031 (DE)

Application

EP 01811144 A 20011126

Priority

DE 10061810 A 20001212

Abstract (en)

[origin: US2002070036A1] A percussion rotary hand-held power tool including a percussion piston (3), an anvil (5), a chuck (4) for receiving a working tool, an axially displaceable and rotatable guide tube (6) located in the housing (2) and extending in a telescopic-like manner over the chuck (4) and the anvil (5) from a chuck region up to a region of the percussion piston (3), and a sealing element (8) located between the guide tube (6) and the housing (2) and having at least one axial seal (9) for performing only axial movement and at least one rotary shaft seal (10) for performing only rotary movement.

IPC 8 full level

B25D 11/04 (2006.01); **B25D 17/10** (2006.01); **B23B 45/16** (2006.01); **B25D 9/04** (2006.01); **B25D 17/14** (2006.01)

CPC (source: EP US)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1215016 A1 20020619; **EP 1215016 B1 20071031**; CN 1236897 C 20060118; CN 1358612 A 20020717; DE 10061810 A1 20020613; DE 50113192 D1 20071213; JP 2002219670 A 20020806; JP 4040295 B2 20080130; US 2002070036 A1 20020613; US 6578644 B2 20030617

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EP 01811144 A 20011126; CN 01142465 A 20011129; DE 10061810 A 20001212; DE 50113192 T 20011126; JP 2001377324 A 20011211; US 1793801 A 20011207