

Title (en)

Vibration attenuated power tool

Title (de)

Kraftwerkzeug mit gedämpften Schwingungen

Title (fr)

Outil électrique avec vibrations atténuées

Publication

EP 1669165 A1 20060614 (EN)

Application

EP 04257603 A 20041207

Priority

EP 04257603 A 20041207

Abstract (en)

A vibration attenuated power drill (2) is disclosed. The drill comprises a housing (4) incorporating a motor (6) for driving an output shaft (8). A drill bit is driven by the output shaft by means of cooperating ratchet plates contained in a gearbox (10). The motor has a stator (24) and a rotor (26), and the drill is provided with vibration attenuating means comprising compression springs (42,48) attenuating vibrations transmitted from the motor to the housing in planes perpendicular to the axis of rotation of the rotor relative to the stator.

IPC 8 full level

B25D 17/24 (2006.01)

CPC (source: EP)

B25D 17/24 (2013.01); **B25D 2250/095** (2013.01); **B25D 2250/381** (2013.01)

Citation (search report)

- [X] DE 4000861 A1 19910718 - LICENTIA GMBH [DE]
- [X] GB 2154497 A 19850911 - BOSCH GMBH ROBERT
- [X] US 4609053 A 19860902 - RAGNMARK KARL-GOERAN B [SE]
- [A] AU 651269 B2 19940714 - INGERSOLL RAND CO
- [A] DE 20109122 U1 20010802 - WACKER WERKE KG [DE]
- [A] US 2004154813 A1 20040812 - DAUBNER CHRISTIAN [DE], et al
- [A] US 6318479 B1 20011120 - GIARDINO DAVID A [US], et al
- [A] EP 0336261 A2 19891011 - POLITECHNIKA POZNANSKA [PL]
- [X] "HALTING POWER TOOL HAMMER BLOWS HURTING THE USER", DESIGN ENGINEERING, MORGAN-GRAMPIAN LTD. LONDON, GB, 1 June 1992 (1992-06-01), pages 9, XP000305350, ISSN: 0308-8448

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1669165 A1 20060614; EP 1971463 A1 20080924; WO 2006061385 A1 20060615

DOCDB simple family (application)

EP 04257603 A 20041207; EP 05823613 A 20051206; EP 2005056523 W 20051206