

Title (en)

Vibration decoupled percussion mechanism assembly

Title (de)

Vibrationsentkoppelte Schlagwerksbaugruppe

Title (fr)

Assemblage de mécanisme de percussion decouplé de vibration

Publication

EP 1422029 B1 20101117 (DE)

Application

EP 03104220 A 20031117

Priority

DE 10255162 A 20021122

Abstract (en)

[origin: EP1422029A1] The portable electric hammer drill (1) has a hammer component group (2) which is separated accurately from a grip point (P) at the tool housing (3) by a coil spring (4), to disengage vibrations. The hammer group is also mounted on at least two axially displaced joint arms (5a,5b) with axially defined movements. The joint arms have a bending distortion, and are fixed to the housing without allowing a sliding movement. At least one arm has a center section with a bending stiffness, and two film joints (7) at the ends with an elastic distortion.

IPC 8 full level

B25D 17/24 (2006.01)

CPC (source: EP US)

B25D 17/24 (2013.01 - EP US); **B25D 2250/371** (2013.01 - EP US)

Cited by

EP1862266A3; EP1809443A4; EP1736283A3; EP2017040A1; DE102007000093A1; EP1958735A1; US7614460B2; US7766096B2; US7451833B2; WO2007102449A1; WO2006004546A1; WO2006004547A1; WO2012084349A1; WO2007039356A1

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DOCDB simple family (publication)

EP 1422029 A1 20040526; EP 1422029 B1 20101117; AT E488332 T1 20101215; CN 100335239 C 20070905; CN 1502451 A 20040609; DE 10255162 A1 20040603; DE 50313264 D1 20101230; JP 2004174707 A 20040624; JP 4344223 B2 20091014; PL 363594 A1 20040531; US 2004154813 A1 20040812; US 6962211 B2 20051108

DOCDB simple family (application)

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