

Title (en)

Vibration decoupled percussion mechanism assembly

Title (de)

Vibrationsentkoppelte Schlagwerksbaugruppe

Title (fr)

Assemblage de mécanisme de percussion decouplé de vibration

Publication

**EP 1422029 A1 20040526 (DE)**

Application

**EP 03104220 A 20031117**

Priority

DE 10255162 A 20021122

Abstract (en)

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.

Abstract (de)

Eine Schlagwerksbaugruppe (2) einer zumindest teilweise axial schlagenden Handwerkzeugmaschine (1) ist über eine Feder (4) gegenüber genau einem Angriffspunkt (P) im Gehäuse (3) schwingungsentkoppelt sowie über ein, aus zumindest zwei axial beabstandeten und axial begrenzt beweglichen Gelenkarmen (5a, 5b) bestehendes, Axialführungsmittel gelagert. Die Gelenkarme (5a, 5b) sind biegeschlaff deformierbar ausgebildet und mit dem Gehäuse (3) gleitbewegungsfrei verbunden. <IMAGE>

IPC 1-7

**B25D 17/24**

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)

Citation (applicant)

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Citation (search report)

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