

Title (en)
Vibration isolating device

Title (de)
Vorrichtung mit einer Schwingungsisoliereinrichtung

Title (fr)
Dispositif d'isolation de vibrations

Publication
EP 1221359 B1 20101110 (DE)

Application
EP 01130569 A 20011221

Priority
DE 10100378 A 20010105

Abstract (en)
[origin: EP1221359A1] Device, especially a hand machine tool, comprises at least one vibrationally excited first unit, at least one second unit (10) connected via a vibration-insulating device (14) to the first unit, and an operating force impinging upon the vibration-insulating device during operation. The vibration-insulating device has an actuator (22) via which the operating force (12) is at least partially compensated with controlling torque (24). The controlling torque is at least extensively independent of the vibration to be insulated. An Independent claim is also included for a hand machine tool, especially a hammer drill or a chisel hammer, comprising a vibration-insulating device. Preferred Features: A maximal compensating frequency of the actuator is lower than an excitation frequency.

IPC 8 full level
B25D 17/04 (2006.01)

CPC (source: EP)
B25D 17/043 (2013.01); **B25D 2250/141** (2013.01); **B25D 2250/221** (2013.01)

Cited by
EP1270151A1; US7320369B2; GB2382856A; GB2382856B; GB2413299A; GB2413299B; US7472760B2; US7762348B2; WO2011072908A1; US7287601B2

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