

Title (en)

Hand tool with vibration reduction

Title (de)

Handwerkzeuggerät mit Vibrationsminderung

Title (fr)

Outil à main avec réduction de vibration

Publication

**EP 1752257 A3 20090422 (DE)**

Application

**EP 06118250 A 20060801**

Priority

DE 102005038091 A 20050811

Abstract (en)

[origin: EP1752257A2] The hand tool appliance has a horizontal tool spindle (10) and a main housing (4) at least partly accommodating the spindle and defining a central housing plane containing the horizontal and vertical directions (Z,Y) and a handle housing (16) supported laterally, horizontally and vertically on the main housing by respective vibration reducing elements (40a, 56a - 40c, 56c).

IPC 8 full level

**B25D 17/04** (2006.01)

CPC (source: EP US)

**B25D 17/043** (2013.01 - EP US)

Citation (search report)

- [XY] DE 29700003 U1 19970227 - WACKER WERKE KG [DE]
- [Y] GB 2137132 A 19841003 - WACKER WERKE KG
- [DA] DE 3121882 A1 19820211 - HITACHI KOKI KK [JP]
- [A] GB 2086007 A 19820506 - MINAMIDATE MAKOTO, et al

Cited by

EP2942158A1; EP2468455A4; US9999967B2; WO2015169515A1

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1752257 A2 20070214; EP 1752257 A3 20090422**; DE 102005038091 A1 20070215; JP 2007044868 A 20070222; US 2007034397 A1 20070215

DOCDB simple family (application)

**EP 06118250 A 20060801**; DE 102005038091 A 20050811; JP 2006216949 A 20060809; US 50211106 A 20060810