

Title (en)

Portable power tool with an oscillation damper

Title (de)

Handwerkzeugmaschine mit Schwingungstilger

Title (fr)

Outil électroportatif amortisseur d'oscillations

Publication

EP 1952950 A3 20121107 (DE)

Application

EP 08100787 A 20080123

Priority

DE 102007000059 A 20070131

Abstract (en)

[origin: EP1952950A2] The tool (1) has a housing (2) and a pneumatic spring hammer mechanism (3) with a striker bolt (4) that strikes an anvil (5), at least one vibration damper (6) with a swinging damping mass (7) that is axially biased towards the housing by at least one spring (8a,8b). The vibration damper can be actively stimulated by the anvil in the working position via an axially displaceable stimulation arrangement (9).

IPC 8 full level

B25D 11/12 (2006.01); **B25D 17/06** (2006.01); **B25D 17/24** (2006.01)

CPC (source: EP US)

B25D 17/06 (2013.01 - EP US); **B25D 17/24** (2013.01 - EP US); **B25D 2211/068** (2013.01 - EP US); **B25D 2217/0019** (2013.01 - EP US); **B25D 2217/0092** (2013.01 - EP US)

Citation (search report)

- [XDA] EP 1464449 A2 20041006 - MAKITA CORP [JP]
- [AD] EP 1710052 A1 20061011 - BLACK & DECKER INC [US]
- [A] WO 2005105386 A1 20051110 - MAKITA CORP [JP], et al

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EP2018939A3; EP3626398A1; US7806201B2; WO2013131678A1; EP2253430A1; DE102009022088A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1952950 A2 20080806; **EP 1952950 A3 20121107**; **EP 1952950 B1 20140409**; CN 101235869 A 20080806; CN 101235869 B 20110525; DE 102007000059 A1 20080918; JP 2008188760 A 20080821; JP 5189373 B2 20130424; US 2008185165 A1 20080807; US 7712548 B2 20100511

DOCDB simple family (application)

EP 08100787 A 20080123; CN 200810004913 A 20080129; DE 102007000059 A 20070131; JP 2008017541 A 20080129; US 1189408 A 20080129