

Title (en)
Hand-held power tool with vibration-compensating mass

Title (de)
Handwerkzeugmaschine mit Schwingungsdämpfer

Title (fr)
Outil à main avec amortisseur de vibrations

Publication
EP 2241409 A1 20101020 (EN)

Application
EP 09158130 A 20090417

Priority
EP 09158130 A 20090417

Abstract (en)
A hand-held power tool comprises a main handle, a percussion mechanism striking along a percussion axis, a counter mass displaceable along an oscillation axis and biasing means preloading the counter mass to a position of rest on the oscillation axis. The counter mass is arranged such that the position of rest being is closer to the main handle than the centre of gravity is to the main handle. Further, the oscillation axis is inclined to the percussion axis.

IPC 8 full level
B25D 17/24 (2006.01)

CPC (source: EP)
B25D 17/043 (2013.01); **B25D 17/24** (2013.01); **B25D 2211/003** (2013.01); **B25D 2211/068** (2013.01); **B25D 2217/0092** (2013.01); **B25D 2250/245** (2013.01)

Citation (applicant)
EP 1736283 A2 20061227 - BLACK & DECKER INC [US]

Citation (search report)

- [E] WO 2009077228 A1 20090625 - BOSCH GMBH ROBERT [DE], et al
- [E] WO 2009112098 A1 20090917 - BOSCH GMBH ROBERT [DE], et al
- [X] EP 1767315 A1 20070328 - MAKITA CORP [JP]
- [X] WO 2006041139 A1 20060420 - MAKITA CORP [JP], et al

Cited by
CN115648129A; WO2024087576A1

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 MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2241409 A1 20101020; EP 2241409 B1 20121107

DOCDB simple family (application)
EP 09158130 A 20090417