

Title (en)

HAND-HELD POWER TOOL FOR IMPACTING DRIVEN TOOLS

Title (de)

HANDWERKZEUGMASCHINE FÜR SCHLAGEND ANGETRIEBENE EINSATZWERKZEUGE

Title (fr)

MACHINE MANUELLE POUR OUTILS ENTRAÎNÉS EN FRAPPE

Publication

EP 2265419 B1 20210505 (DE)

Application

EP 08873253 A 20081119

Priority

- EP 2008065845 W 20081119
- DE 102008000677 A 20080314

Abstract (en)

[origin: WO2009112101A1] The invention relates to a hand-held power tool for predominantly percussively driven tool attachments, in particular hammer drills and/or chisel-action hammers, comprising a percussion axis (6) and an intermediate shaft (7) that is parallel to said percussion axis (6) in which a first stroke generating device (13) comprising a stroke element for a percussion drive is arranged in or on said intermediate shaft (7) and can be driven by said intermediate shaft (7). Additionally, at least one other second stroke generating device (23) comprising at least one second stroke element is provided for driving a counter oscillator. A phase displacement φ that is different from zero and that is unequal to 180° takes place between a movement of the first stroke element and a movement of at least one second stroke element (30a).

IPC 8 full level

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

CPC (source: EP US)

B25D 11/062 (2013.01 - EP US); **B25D 17/24** (2013.01 - EP US); **B25D 2211/061** (2013.01 - EP US); **B25D 2211/064** (2013.01 - EP US); **B25D 2211/068** (2013.01 - EP US); **B25D 2217/0088** (2013.01 - EP US); **B25D 2250/045** (2013.01 - EP US); **B25D 2250/175** (2013.01 - EP US)

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

DOCDB simple family (publication)

DE 102008000677 A1 20090917; CN 101970181 A 20110209; CN 101970181 B 20130619; EP 2265419 A1 20101229; EP 2265419 B1 20210505; RU 2010141586 A 20120420; RU 2518020 C2 20140610; US 2011017483 A1 20110127; US 8464805 B2 20130618; WO 2009112101 A1 20090917

DOCDB simple family (application)

DE 102008000677 A 20080314; CN 200880128048 A 20081119; EP 08873253 A 20081119; EP 2008065845 W 20081119; RU 2010141586 A 20081119; US 92258208 A 20081119