

Title (en)

Hand tool with a counterweight

Title (de)

Handwerkzeug mit einem Gegenschwinger

Title (fr)

Outil manuel doté d'un oscillateur

Publication

**EP 2230051 B1 20151125 (DE)**

Application

**EP 10150917 A 20100118**

Priority

DE 102009001590 A 20090317

Abstract (en)

[origin: EP2230051A1] The tool (1) has a drive comprising a drive motor (3), a wobbling finger (6) and a connecting rod (8), which are designed to move a stroke-generating element (5) i.e. piston, in a reciprocating fashion along a translation axis (22). A counterweight (12) i.e. counter vibration device, is connected to the drive to partially compensate forces indirectly caused by the reciprocating motion. The counterweight is supported coaxial or parallel to the translation axis in a reciprocating movable manner. The counter weight is supported in a bush (20), which is designed as a hollow cylinder.

IPC 8 full level

**B25D 17/24** (2006.01); **B25F 5/00** (2006.01)

CPC (source: EP US)

**B25D 11/062** (2013.01 - EP US); **B25F 5/006** (2013.01 - EP US); **B25D 2217/0088** (2013.01 - EP US)

Cited by

WO2018015529A1

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 SM TR

DOCDB simple family (publication)

**EP 2230051 A1 20100922; EP 2230051 B1 20151125**; DE 102009001590 A1 20100923; US 2010236804 A1 20100923; US 8245791 B2 20120821

DOCDB simple family (application)

**EP 10150917 A 20100118**; DE 102009001590 A 20090317; US 72475810 A 20100316