

Title (en)

PORTABLE POWER TOOL, IN PARTICULAR A HAMMER DRILL AND/OR A ROTARY DEMOLITION HAMMER

Title (de)

HANDWERKZEUGMASCHINE, INSBESONDERE BOHR- UND/ODER MEIßELHAMMER

Title (fr)

OUTIL MANUEL MOTORISE, EN PARTICULIER FOREUSE A PERCUSSION ET/OU MARTEAU-PIQUEUR

Publication

EP 1984149 A1 20081029 (DE)

Application

EP 06830497 A 20061211

Priority

- EP 2006069522 W 20061211
- DE 102006005852 A 20060209

Abstract (en)

[origin: WO2007090478A1] The invention is based on a portable power tool, in particular a hammer drill and/or a rotary demolition hammer, comprising a motor (10a, 10b, 10c) and a motor shaft (12a, 12b, 12c), comprising a percussion mechanism unit (14a, 14b, 14c) which can be driven by the motor (10a, 10b, 10c) for achieving an impulse in the direction of a percussion axis (16a, 16b, 16c) and which has an axial drive unit (18a, 18b, 18c) having an output means (20a, 20b, 20c), and comprising a transmission unit (22a, 22b, 22c) which is provided for transmitting a drive force 15 from the axial drive unit (18a, 18b, 18c) to a piston unit (24a, 24b, 24c). It is proposed that, in the region of the transmission unit (22a, 22b, 22c), the motor shaft (12a, 12b, 12c), as viewed in the longitudinal direction 20 of the percussion axis (16a, 16b, 16c), be directed laterally past at least one part of the transmission unit (22a, 22b, 22c).

IPC 8 full level

B25D 11/12 (2006.01); **B25D 16/00** (2006.01); **B25D 17/00** (2006.01)

CPC (source: EP US)

B25D 11/125 (2013.01 - EP US); **B25D 16/00** (2013.01 - EP US); **B25D 17/00** (2013.01 - EP US); **B25D 2211/003** (2013.01 - EP US)

Citation (search report)

See references of WO 2007090478A1

Designated contracting state (EPC)

DE ES GB

DOCDB simple family (publication)

WO 2007090478 A1 20070816; CN 101365564 A 20090211; DE 102006005852 A1 20070823; EP 1984149 A1 20081029; US 2008149359 A1 20080626

DOCDB simple family (application)

EP 2006069522 W 20061211; CN 200680052601 A 20061211; DE 102006005852 A 20060209; EP 06830497 A 20061211; US 91478906 A 20061211