

Title (en)
Percussive tool or drill

Title (de)
Bohr- oder Meisselhammer

Title (fr)
Marteau perforateur ou marteau-burineur

Publication
EP 1716979 B1 20110928 (DE)

Application
EP 06112584 A 20060413

Priority
DE 102005000042 A 20050425

Abstract (en)
[origin: EP1716979A1] The electro-pneumatic hammer mechanism (21) and the motor and transmission unit (14) are accommodated inside a housing (12) with a tool (16) attached to the front (15). The hammer mechanism (21) comprises a piston (23) moved axially inside a cylinder (17). The motion is transferred to a hammer ram (25) hitting the striker (26) slightly off center (27) in order to move the tool (16) by the impact. The distance between the striking axis (22) and the point of impact (27) is selected in a specific relation to the length of the striker (26).

IPC 8 full level
B25D 17/06 (2006.01)

CPC (source: EP US)
B25D 11/125 (2013.01 - EP US); **B25D 17/06** (2013.01 - EP US); **B25D 2217/0015** (2013.01 - EP US); **B25D 2250/245** (2013.01 - EP US)

Designated contracting state (EPC)
CH DE FR GB IT LI SE

DOCDB simple family (publication)
EP 1716979 A1 20061102; EP 1716979 B1 20110928; CN 1853865 A 20061101; CN 1853865 B 20100929; DE 102005000042 A1 20061026; JP 2006305722 A 20061109; JP 4865395 B2 20120201; US 2006237206 A1 20061026

DOCDB simple family (application)
EP 06112584 A 20060413; CN 200610075559 A 20060420; DE 102005000042 A 20050425; JP 2006118100 A 20060421; US 37378506 A 20060309