

Title (en)  
Percussive tool or drill

Title (de)  
Bohr- oder Meisselhammer

Title (fr)  
Marteau perforateur ou marteau-burineur

Publication  
**EP 1716979 A1 20061102 (DE)**

Application  
**EP 06112584 A 20060413**

Priority  
DE 102005000042 A 20050425

Abstract (en)  
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)

Citation (search report)

- [AD] DE 3121616 A1 19821223 - BOSCH GMBH ROBERT [DE]
- [AD] DE 1283769 B 19681121 - IMPEX ESSEN VERTRIEB
- [A] DE 3526162 A1 19870122 - BLACK & DECKER INC [US]
- [A] US 2730073 A 19560110 - CHARLES LEAVELL
- [A] US 2260070 A 19411021 - WILHIDE GLENN C
- [A] BE 415037 A
- [A] BE 383061 A

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

Designated extension state (EPC)  
AL BA HR MK YU

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