

Title (en)
Hammer drilling machine

Title (de)
Bohrhammer

Title (fr)
Foreuse à percussion

Publication
EP 1000712 A3 20030205 (DE)

Application
EP 99121944 A 19991108

Priority
DE 19851888 A 19981111

Abstract (en)
[origin: EP1000712A2] The hammer drill has an activator shell forming a cavity for the air cushion in which a striker piston is moved reciprocally by a swashplate drive device. The side of the swashplate (42) diametrically opposite the activator shell has a weight body (50) which can be forced to move reciprocally by the swashplate linearly and parallel to the drill bit axis.

IPC 1-7
B25D 16/00; **B25D 11/06**

IPC 8 full level
B23B 45/16 (2006.01); **B25D 16/00** (2006.01); **B25D 17/24** (2006.01)

CPC (source: EP US)
B25D 16/00 (2013.01 - EP US); **B25D 17/24** (2013.01 - EP US); **B25D 2211/061** (2013.01 - EP US); **B25D 2217/0088** (2013.01 - EP US)

Citation (search report)
• [X] CH 546132 A 19740228 - RUETTIMANN ERNST
• [A] GB 2048753 A 19801217 - HILTI AG
• [A] DE 3427342 A1 19860130 - BOSCH GMBH ROBERT [DE]

Cited by
EP2540449A1; EP3646918A1; CN102105273A; CN105377510A; EP2230051A1; EP1892062A3; CN104249349A; CN102848354A; EP2540448A3; RU2606140C2; EP3235599A4; US9321163B2; US8403075B2; WO2005092575A1; WO2009077241A1; US7588097B2; US7857074B2; US8245791B2; WO2008006634A1; WO2007077946A3; WO2010012521A1; WO2008010468A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1000712 A2 20000517; **EP 1000712 A3 20030205**; **EP 1000712 B1 20070110**; **EP 1000712 B9 20080220**; DE 19851888 C1 20000713; DE 59914142 D1 20070222; ES 2281157 T3 20070916; US 6112830 A 20000905

DOCDB simple family (application)
EP 99121944 A 19991108; DE 19851888 A 19981111; DE 59914142 T 19991108; ES 99121944 T 19991108; US 43534999 A 19991108