

Title (en)

Tool holder device for a hammer drill

Title (de)

Werkzeughalteeinrichtung für einen Bohrhämmer

Title (fr)

Dispositif de retenue d'outil pour une perceuse

Publication

EP 2283976 A3 20120815 (DE)

Application

EP 10167126 A 20100624

Priority

DE 102009028546 A 20090814

Abstract (en)

[origin: EP2283976A2] The device has a rotary tool support (3) for accommodating an insertion tool (15), and an impact element for axially driving the insertion tool. An insertion adapter (11) is detachably inserted in the rotary tool support. A tool holder (14) lies in the insertion adapter over a portion along the axial length of the insertion adapter, when the tool holder is inserted into the rotary tool support. An adapter shaft (12) of the insertion adapter protrudes into the tool support. A groove (16) is formed in the adapter shaft for accommodating a locking ball (6). The insertion tool comprises a special direct system (SDS) drill bit.

IPC 8 full level

B25D 17/00 (2006.01); **B25B 21/00** (2006.01); **B25D 17/08** (2006.01)

CPC (source: EP)

B25D 17/005 (2013.01); **B25D 17/088** (2013.01); **B25D 2217/0042** (2013.01)

Citation (search report)

- [A] EP 1795307 A2 20070613 - MATSUSHITA ELECTRIC WORKS LTD [JP]
- [A] US 4818157 A 19890404 - KOUVELIS THOMAS [US]
- [A] DE 2640767 A1 19780316 - BOSCH GMBH ROBERT

Cited by

EP2602063A1; CN102922492A

Designated contracting state (EPC)

AL 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

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2283976 A2 20110216; **EP 2283976 A3 20120815**; CN 101992454 A 20110330; CN 101992454 B 20160706;
DE 102009028546 A1 20110217

DOCDB simple family (application)

EP 10167126 A 20100624; CN 201010254341 A 20100813; DE 102009028546 A 20090814