

Title (en)
Hammer drill

Title (de)
Bohrhammer

Title (fr)
Marteau perforateur

Publication
EP 1923176 A1 20080521 (DE)

Application
EP 07021608 A 20071107

Priority
DE 102006054288 A 20061117

Abstract (en)
The drill has an electrical driving motor (1), and a tool spindle (2) rotatably driven by the driving motor. The tool spindle and a hammer tool (3) are driven directly by a motor shaft (6) of the driving motor by using a single-stage transmission (4, 5). A motor axis of the motor shaft and a shaft axis of the tool spindle are positioned at an angle relative to one another, where the angle is in a range from 60 to 120 degrees. A pinion is located on the motor shaft, and a ring gear is located on the tool spindle, where the gear meshes with the pinion.

Abstract (de)
Die Erfindung betrifft einen Bohrhammer mit einem insbesondere elektrischen Antriebsmotor (1), mit einer vom Antriebsmotor (1) drehend antreibbaren Werkzeugspindel (2) und mit einem Hammerwerk (3). Die Werkzeugspindel (2) und das Hammerwerk (3) sind jeweils mittels eines einstufigen Getriebes (4, 5) direkt von einer Motorwelle (6) des Antriebsmotors (1) angetrieben.

IPC 8 full level
B25D 11/12 (2006.01)

CPC (source: EP US)
B25D 11/125 (2013.01 - EP US); **B25D 2211/003** (2013.01 - EP US); **B25D 2250/245** (2013.01 - EP US)

Citation (search report)

- [XY] DE 29800248 U1 19990506 - BOSCH GMBH ROBERT [DE]
- [X] EP 1393864 A1 20040303 - HILTI AG [LI]
- [Y] DE 19950759 A1 20010426 - BOSCH GMBH ROBERT [DE]
- [Y] US 5565719 A 19961015 - KUHLMANN GERHARD [DE]
- [Y] DE 10045618 A1 20020404 - BOSCH GMBH ROBERT [DE]
- [Y] DE 1652683 A1 19701210 - HILTI AG
- [A] EP 0016771 B1 19831221

Cited by
DE102008054458A1; WO2012084316A1

Designated contracting state (EPC)
DE FR GB IT

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1923176 A1 20080521; **EP 1923176 B1 20090916**; CN 101181783 A 20080521; CN 101181783 B 20100929;
DE 102006054288 A1 20080521; DE 502007001531 D1 20091029; US 2008115952 A1 20080522; US 7661485 B2 20100216

DOCDB simple family (application)
EP 07021608 A 20071107; CN 200710188139 A 20071112; DE 102006054288 A 20061117; DE 502007001531 T 20071107;
US 94112207 A 20071116