

Title (en)
Hammer drill

Title (de)
Bohrhammer

Title (fr)
Marteau perforateur

Publication
EP 1923176 B1 20090916 (DE)

Application
EP 07021608 A 20071107

Priority
DE 102006054288 A 20061117

Abstract (en)
[origin: EP1923176A1] 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.

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)

Cited by
DE102008054458A1; WO2012084316A1

Designated contracting state (EPC)
DE FR GB IT

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

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EP 07021608 A 20071107; CN 200710188139 A 20071112; DE 102006054288 A 20061117; DE 502007001531 T 20071107;
US 94112207 A 20071116