

Title (en)

Percussive drill

Title (de)

Schlagbohrmaschine

Title (fr)

Foreuse à percussion

Publication

**EP 0808695 A3 19990414 (DE)**

Application

**EP 97107611 A 19970509**

Priority

DE 19620551 A 19960522

Abstract (en)

[origin: EP0808695A2] The tool spindle (5) is driven from the pinion (5) of the motor armature via the planet-carrier of the gear train. The pinion meshes with a gear (2) turning on the tool spindle and which forms parts of the ratchet mechanism (6,7) generating the hammer-blows. Gear teeth (17) rotating with the gear form the sunwheel of the gear train (18), and the gear (2) transmits the axial hammer-blows to the tool spindle via a bearing (16) accommodating the difference between its speed and that of the spindle. The sunwheel teeth can form part of the gear (2) itself, and the bearing can be accommodated between an annular edge on the gear and a shoulder on the spindle.

IPC 1-7

**B25D 16/00**

IPC 8 full level

**B23B 45/16** (2006.01); **B25D 16/00** (2006.01)

CPC (source: EP)

**B25D 16/00** (2013.01); **B25D 2211/064** (2013.01)

Citation (search report)

- [DA] DE 4038502 A1 19920604 - LICENTIA GMBH [DE]
- [A] DE 3315177 A1 19831110 - BLACK & DECKER INC [US]
- [A] EP 0613758 A1 19940907 - BLACK & DECKER INC [US]

Cited by

US7806198B2; USRE46827E; WO2008107231A1; US8794348B2; US9193053B2; US10513021B2

Designated contracting state (EPC)

AT CH DE ES FR IT LI NL

DOCDB simple family (publication)

**EP 0808695 A2 19971126; EP 0808695 A3 19990414; EP 0808695 B1 20040623**; AT E269781 T1 20040715; DE 19620551 A1 19971127; DE 19620551 C2 19980409; DE 59711730 D1 20040729

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