

Title (en)  
Drill with cylindrical head

Title (de)  
Zylinderkopfbohrer

Title (fr)  
Mèche avec tête cylindrique

Publication  
**EP 0855257 B1 20000816 (DE)**

Application  
**EP 97122890 A 19971224**

Priority  
DE 19702423 A 19970124

Abstract (en)  
[origin: EP0855257A2] The drill's (1) main blade (4) with centring point (5) has free-cut surfaces (11) and extends over the entire circular cross-section of the drill-head (3). Slanting drilling-dust ducts (7) penetrate the drill head and are open towards the edge next to the main blade. Each end of the main blade adjoins a pre-cutting edge (8) coinciding with the peripheral line of the drill-head. The pre-cutting edge extends as far as the edge of the outer drilling-duct, and is formed by the edge of a cylindrical outer wall (6) of the drilling head. The otherwise smooth outer casing wall is broken up by radial outward bulges (13) interspersed by grooves (12) sloping towards the axis or parallel with the axis.

IPC 1-7  
**B27G 15/00**

IPC 8 full level  
**B27G 15/00** (2006.01)

CPC (source: EP US)  
**B27G 15/00** (2013.01 - EP US); **Y10T 408/901** (2015.01 - EP US); **Y10T 408/9065** (2015.01 - EP US)

Cited by  
DE102007002530B4; US7648316B2; WO0164407A1; US6644899B2; DE202016001386U1; EP4215305A1; DE102022101647A1

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

DOCDB simple family (publication)  
**EP 0855257 A2 19980729; EP 0855257 A3 19990714; EP 0855257 B1 20000816**; AT E195457 T1 20000915; CA 2227820 A1 19980724; CA 2227820 C 20011023; DE 19702423 A1 19980806; DE 19702423 B4 20091112; DE 59702198 D1 20000921; DK 0855257 T3 20001218; ES 2151221 T3 20001216; US 5975814 A 19991102

DOCDB simple family (application)  
**EP 97122890 A 19971224**; AT 97122890 T 19971224; CA 2227820 A 19980123; DE 19702423 A 19970124; DE 59702198 T 19971224; DK 97122890 T 19971224; ES 97122890 T 19971224; US 1021098 A 19980121