

Title (en)  
Trepaning cutter.

Title (de)  
Hohlbohrer.

Title (fr)  
Foret à couronne.

Publication  
**EP 0156762 A1 19851002 (DE)**

Application  
**EP 85810026 A 19850125**

Priority  
DE 3408092 A 19840305

Abstract (en)  
1. A hollow drill bit comprising a metallic hollow cylindrical supporting body (2) having an open end in the direction of drilling with positively secured equally shaped support segments (5, 11, 21, 31) spaced apart from each other around the circumference in which cutting teeth of diamond grain are embedded where the support segments protrude beyond the end face of the supporting body (2) in the direction of drilling, characterized in that the end section of the supporting segments (5, 11, 21, 31) at the drilling end tapers over at least a part of its length in the direction of drilling and the free end face forms a line (8, 13, 23, 33) running in the direction of the circumference over at least a part of the tapered end section of the support segments.

Abstract (de)  
Der Hohlbohrer (1) weist einen hohlzylindrischen Trägerkörper (2) auf, dessen bohrrichtungsseitig offenes Ende Tragsegmente (5) mit Schneidzähnen (6) aus Diamantkorn trägt. In Bohrrichtung verjüngt sich der Endbereich der Tragsegmente (5) derart, dass deren freie Stirnseite eine in Umfangsrichtung verlaufende Linie (8) bildet. Die im Bereich der Linie (8) sitzenden Scheidzähne (6) schaffen zu Beginn des Anbohrrens im Bohrgut eine ein seitliches Ausweichen des Hohlbohrers (1) unterbindende Führungsnut.

IPC 1-7  
**B28D 1/14**

IPC 8 full level  
**B28D 1/04** (2006.01); **B28D 1/14** (2006.01); **E21B 10/48** (2006.01)

CPC (source: EP)  
**B28D 1/041** (2013.01); **E21B 10/48** (2013.01)

Citation (search report)  

- DE 2404029 A1 19750807 - KRUPP AG HUETTENWERKE
- AT 373196 B 19831227 - SWAROVSKI TYROLIT SCHLEIF [AT]
- DE 2026855 B2 19760701
- US 4267814 A 19810519 - BENSON DONALD H, et al

Cited by  
EP0221548A3; GB2423536A; GB2423538A; EP0583629A1; EP0857552A3; GB2423537A; GB2423540A; RU168413U1; DE8715431U1; EP0985505A3; EP1681151A3

Designated contracting state (EPC)  
AT BE CH DE LI

DOCDB simple family (publication)  
**EP 0156762 A1 19851002; EP 0156762 B1 19880518**; AT E34329 T1 19880615; DE 3408092 A1 19850919; DE 3562725 D1 19880623

DOCDB simple family (application)  
**EP 85810026 A 19850125**; AT 85810026 T 19850125; DE 3408092 A 19840305; DE 3562725 T 19850125