

Title (en)

Boring bit and boring casing

Title (de)

Bohrmeissel und Bohrfutterrohr

Title (fr)

Trépan de forage et cuvelage de forage

Publication

**EP 0864723 A1 19980916 (EN)**

Application

**EP 97304951 A 19970707**

Priority

JP 5596097 A 19970311

Abstract (en)

A boring bit 2 includes a cutter 24 which is in contact with the face of the ground to be bored to substantially conduct crushing of the ground and a shank 20 for holding the cutter 24. The cutter 24 comprises a disk-shaped cutter main body 24A, and journals 24B which are formed integrally with and on the opposite sides of the cutter main body 24A. Only a boring blade 24a projects beyond the distal end of the shank 20. The cutter 24 is rotatable born by the journals 24B. The wear of chip is less in comparison with the prior art chip. Extension of life time of the chip is achieved.  
<IMAGE>

IPC 1-7

**E21B 10/02**

IPC 8 full level

**E21B 10/48** (2006.01); **E21B 10/02** (2006.01)

CPC (source: EP)

**E21B 10/02** (2013.01)

Citation (search report)

- [X] US 3830321 A 19740820 - MC KENRY R, et al
- [A] US 1717271 A 19290611 - SIMMONS RICHARD P
- [A] DE 4301191 A1 19940721 - HAWERA PROBST KG HARTMETALL [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 437 (M - 1176) 7 November 1991 (1991-11-07)

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