

Title (en)  
Rotary drill bit

Title (de)  
Rotationsbohrerspitze

Title (fr)  
Mèche rotative

Publication  
**EP 1191000 A3 20020403 (EN)**

Application  
**EP 01307636 A 20010907**

Priority  
• US 23407500 P 20000920  
• US 28105401 P 20010402  
• EP 01307636 A 20010907

Abstract (en)  
[origin: EP1191000A2] A rotary drill bit includes cutters arranged in a series of concentric rings, the cutters of one of the rings having a different wear resistance to the cutters of another of the rings with the result that the stability of the drill bit improves with wear. Although the wear resistance is different, the cutters have substantially the same impact toughness.

IPC 1-7  
**C04B 35/52**; C04B 41/53; B23B 27/14; B23B 27/20; E21B 10/60

IPC 8 full level  
**B22F 7/06** (2006.01); **B23B 27/14** (2006.01); **C04B 35/52** (2006.01); **C04B 37/02** (2006.01); **C04B 41/45** (2006.01); **C04B 41/53** (2006.01); **C04B 41/81** (2006.01); **C04B 41/91** (2006.01); **E21B 10/00** (2006.01); **E21B 10/42** (2006.01); **E21B 10/43** (2006.01); **E21B 10/56** (2006.01); **E21B 10/567** (2006.01); **E21B 10/573** (2006.01); **E21B 10/60** (2006.01)

CPC (source: EP US)  
**E21B 10/006** (2013.01 - EP); **E21B 10/62** (2013.01 - EP US); **B22F 2005/001** (2013.01 - EP); **B22F 2999/00** (2013.01 - EP)

Citation (search report)  
• [A] EP 0546725 A1 19930616 - CAMCO DRILLING GROUP LTD [GB]  
• [A] WO 0028106 A1 20000518 - KENNAMETAL INC [US]

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

DOCDB simple family (publication)  
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