

Title (en)  
Rock drill bit.

Title (de)  
Gesteinsbohrer.

Title (fr)  
Trépan de forage de roche.

Publication  
**EP 0685629 A2 19951206 (DE)**

Application  
**EP 95810187 A 19950320**

Priority  
DE 4419641 A 19940604

Abstract (en)  
The bit has a clamping shaft (1), a drill shaft (2) with at least four parallel adjacently arranged swarf grooves (4-7). A drill head (3) of hard metal is connected with the drill shaft with four peripherally distributed discharge grooves (8-11) running in the longitudinal direction of the drill head. The discharge grooves have a differently sized internal cross-section, that of two first diametrically opposed discharge grooves (8,10) being larger than that of two second diametrically opposed discharge grooves (9,11). The discharge grooves have a differently sized radial distance from the centre of the drill head. <IMAGE>

Abstract (de)  
Der Gesteinsbohrer besitzt einen Einspannschaft (1), einen wenigstens vier parallel nebeneinander angeordnete Spannuten (4, 5, 6, 7) aufweisenden Bohrschaft (2) und einen mit dem Bohrschaft (2) verbundenen, insgesamt aus Hartmetall bestehenden Bohrkopf (3) mit vier am Umfang verteilt angeordneten Abfuhrnuten (8, 9, 10, 11). Die Abfuhrnuten (8, 9, 10, 11) weisen einen unterschiedlich grossen, lichten Querschnitt auf und jede der Abfuhrnuten (8, 9, 10, 11) mündet in eine Spannut (4, 5, 6, 7) des Bohrschaftes (2). Die lichten Querschnitte der Abfuhrnuten (8, 9, 10, 11) und der Spannuten (4, 5, 6, 7) decken sich. <IMAGE>

IPC 1-7  
**E21B 10/44**

IPC 8 full level  
**E21B 10/46** (2006.01); **B23B 51/00** (2006.01); **B23B 51/02** (2006.01); **B28D 1/14** (2006.01); **E21B 10/44** (2006.01); **E21B 10/58** (2006.01)

CPC (source: EP KR US)  
**B28D 1/14** (2013.01 - KR); **E21B 10/445** (2013.01 - EP US)

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