

Title (en)  
Twist drill

Title (de)  
Spiralbohrer

Title (fr)  
Foret hélicoïdal

Publication  
**EP 0654580 B1 19970820 (DE)**

Application  
**EP 94810562 A 19940927**

Priority  
DE 4339245 A 19931118

Abstract (en)  
[origin: EP0654580A2] The rock drill has a drill head (2) made on the whole of carbide and connected to a drill shank (1). The cross-section of the drill head (2) is of essentially rectangular design, cutting edges which serve to remove the rock being arranged on each of the diagonals (D1, D2). The cutting edges are composed of a main cutting edge (4) and two auxiliary cutting edges (5, 6), the main cutting edge (4) and the auxiliary cutting edges (5, 6) essentially having the same envelope curve. <IMAGE>

IPC 1-7  
**E21B 10/44; E21B 10/58**

IPC 8 full level  
**B28D 1/14** (2006.01); **E21B 10/44** (2006.01); **E21B 10/46** (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); **E21B 10/58** (2013.01 - EP US)

Cited by  
DE102012015371A1; DE102012015372A1; EP0884448A3; DE102006020538A1; EP3150347A1; DE10334610A1; DE10334610B4; US7137461B2; EP0884448A2; EP2692983A1; US9695640B2

Designated contracting state (EPC)  
CH DE DK FR GB IT LI

DOCDB simple family (publication)  
**EP 0654580 A2 19950524; EP 0654580 A3 19951102; EP 0654580 B1 19970820**; CN 1044023 C 19990707; CN 1107409 A 19950830; DE 4339245 A1 19950524; DE 59403784 D1 19970925; DK 0654580 T3 19980406; JP 3441819 B2 20030902; JP H07180463 A 19950718; KR 100313617 B1 20021122; KR 950013670 A 19950615; US 5492187 A 19960220

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**EP 94810562 A 19940927**; CN 94118991 A 19941116; DE 4339245 A 19931118; DE 59403784 T 19940927; DK 94810562 T 19940927; JP 28353994 A 19941117; KR 19940030196 A 19941117; US 34177694 A 19941118