

Title (en)  
Twist drill

Title (de)  
Spiralbohrer

Title (fr)  
Foret hélicoidal

Publication  
**EP 0653544 B1 19980617 (DE)**

Application  
**EP 94810518 A 19940907**

Priority  
DE 4338490 A 19931111

Abstract (en)  
[origin: EP0653544A2] The rock drill has a drill head (1), a body (2) and a shank (3) opposite the drill head (1). The body (2) has at least one conveying helix (4, 5) which is penetrated by grooves (8, 9) on its back (6, 7) forming the outside diameter. The grooves (8, 9) run along planes arranged at right angles to the centre axis of the body (2). <IMAGE>

IPC 1-7  
**E21B 10/44**; **E21B 17/22**

IPC 8 full level  
**B28D 1/14** (2006.01); **E21B 10/44** (2006.01); **E21B 10/58** (2006.01); **E21B 17/22** (2006.01)

CPC (source: EP US)  
**E21B 10/445** (2013.01 - EP US); **E21B 17/22** (2013.01 - EP US); **Y10T 408/9097** (2015.01 - EP US)

Cited by  
DE10053343B4; DE102009038516A1; DE102008022945A1; EP2116321A1; EP1138871A1; WO2011139960A1

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

DOCDB simple family (publication)  
**EP 0653544 A2 19950517**; **EP 0653544 A3 19951102**; **EP 0653544 B1 19980617**; CN 1038702 C 19980610; CN 1107928 A 19950906; DE 4338490 A1 19950518; DE 59406265 D1 19980723; DK 0653544 T3 19990406; JP H07180464 A 19950718; US 5503237 A 19960402

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**EP 94810518 A 19940907**; CN 94118169 A 19941105; DE 4338490 A 19931111; DE 59406265 T 19940907; DK 94810518 T 19940907; JP 27631994 A 19941110; US 33806594 A 19941114