

Title (en)  
Percussion twist drill

Title (de)  
Drehschlag-Wendelbohrer

Title (fr)  
Foret hélicoïdal de percussion

Publication  
**EP 0778100 B1 19981223 (DE)**

Application  
**EP 96810630 A 19960925**

Priority  
DE 19545647 A 19951207

Abstract (en)  
[origin: EP0778100A1] This rotary percussion drill has main spiral grooves (4,5) for cuttings and a hard metal cutter (7,21) attached to a one-piece cutter plate (6). The base (10) of the cutter plate is fixed into a groove (9) passing through the diameter of the shaft (1), in its end face (3). The base of the cutter plate has a central thickening, its cross-section exhibiting a part-circular keying projection (12). The groove cut across the drill shaft has a corresponding recess (13). The base of the cutter plate is centralised by keying.

IPC 1-7  
**B23B 51/02**; **E21B 10/44**

IPC 8 full level  
**E21B 10/36** (2006.01); **B23B 51/02** (2006.01); **B25D 17/02** (2006.01); **E21B 10/44** (2006.01); **E21B 10/58** (2006.01)

CPC (source: EP US)  
**E21B 10/445** (2013.01 - EP US); **E21B 10/58** (2013.01 - EP US); **Y10T 408/906** (2015.01 - EP US); **Y10T 408/9065** (2015.01 - EP US); **Y10T 408/909** (2015.01 - EP US); **Y10T 408/9097** (2015.01 - EP US)

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