

Title (en)
Rock drill bit

Title (de)
Gesteinsbohrer

Title (fr)
Trépan de forage de roche

Publication
EP 1188897 B1 20060628 (DE)

Application
EP 01119136 A 20010808

Priority
DE 20016012 U 20000915

Abstract (en)
[origin: EP1188897A1] Rock drill has a drill head connected to a drill spiral having the same diameter with a centering tip (12) having a hard metal plate whose diameter is less than that of the drill head. A set of second and third drill bodies (16, 18, 20) is located on different radial positions in addition to the hard metal plate. The radial positions gradually spring back against the centering tip and the radial outermost set of the third drill bodies springs back the furthest. The rings overstretched by the drill bodies directly connect to each other or overlap each other in an axial projection.

IPC 8 full level
E21B 10/44 (2006.01); **E21B 10/40** (2006.01); **E21B 10/54** (2006.01); **E21B 10/58** (2006.01)

CPC (source: EP)
E21B 10/445 (2013.01); **E21B 10/54** (2013.01); **E21B 10/58** (2013.01)

Cited by
CN105089507A

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
DE 20016012 U1 20001130; DE 50110314 D1 20060810; EP 1188897 A1 20020320; EP 1188897 B1 20060628

DOCDB simple family (application)
DE 20016012 U 20000915; DE 50110314 T 20010808; EP 01119136 A 20010808