

Title (en)

Method for drilling with a drilling tool having an eccentrical mounted shaft

Title (de)

Verfahren zum Bohren mit einer exzentrisch angeordneten Welle eines Bohrwerkzeuges

Title (fr)

Procédé de forage avec un outil de forage avec un arbre arrangé excentriquement

Publication

EP 0692612 A2 19960117 (DE)

Application

EP 95110994 A 19950713

Priority

CH 233394 A 19940713

Abstract (en)

The method involves using fast-running, driven cam on which slow running sockets with tools are rotatably located. A combination of at least two counter-balanced tool sockets (3) on only one eccentric shaft (7), either automatically rotate in a striking fashion or do so in a driven manner. Counterweights (5) are provided on the eccentric shafts on which the sockets and tools are balanced. At least two sockets and tools are arranged on an eccentric shaft and are balanced against one another by at least two cams. A central bearing with a drive is provided for each cam with a tool socket. <IMAGE>

Abstract (de)

Verfahren zum Bohren, Fräsen, Schlitzten von Gestein, Mineralien und dgl. mit mehreren nur schlagenden oder schlagend fräsenden gegengewuchteten Werkzeughülsen auf einer Exzenterwelle. <IMAGE>

IPC 1-7

E21D 9/10

IPC 8 full level

E21B 1/14 (2006.01); **E21B 10/08** (2006.01); **E21C 25/18** (2006.01); **E21D 9/10** (2006.01)

CPC (source: EP)

E21B 10/086 (2013.01); **E21C 25/18** (2013.01); **E21D 9/104** (2013.01)

Cited by

CN100343470C; CN108678764A; US7658244B2; US7384104B2; WO0043637A1; US7325882B2; US7182407B1; US7431402B2; WO2006012907A1; WO2004013449A3

Designated contracting state (EPC)

AT DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0692612 A2 19960117; **EP 0692612 A3 19970604**; **EP 0692612 B1 20010829**; AT E204948 T1 20010915; CH 689546 A5 19990615; DE 59509552 D1 20011004; ZA 955733 B 19970408

DOCDB simple family (application)

EP 95110994 A 19950713; AT 95110994 T 19950713; CH 233394 A 19940713; DE 59509552 T 19950713; ZA 955733 A 19950711