

Title (en)

Drill with cylindrical head or similar tool with hard metal cutters

Title (de)

Zylinderkopfborhrer oder ähnliches Werkzeug mit Hartmetallschneiden

Title (fr)

Mèche avec tête cylindrique ou outil similaire avec éléments de coupe en métal dur

Publication

EP 1319483 A3 20050202 (DE)

Application

EP 02027397 A 20021209

Priority

DE 10161823 A 20011215

Abstract (en)

[origin: EP1319483A2] The boring-out tool has a shaft with a head-carrier part and a head (2) of hard metal. The shaft and the head are made as separate parts, with interacting positive and non-positive connection elements (e.g. 24) to center them and to position them correctly in the rotary sense relative to each other. The head is entirely sintered from hard metal.

IPC 1-7

B27G 15/00; B23B 51/00

IPC 8 full level

B27G 15/00 (2006.01)

CPC (source: EP US)

B27G 15/00 (2013.01 - EP US); **Y10S 408/713** (2013.01 - EP US); **Y10T 408/78** (2015.01 - EP US); **Y10T 408/907** (2015.01 - EP US); **Y10T 408/9098** (2015.01 - EP US)

Citation (search report)

- [Y] EP 1136209 A2 20010926 - TIGRA HARTSTOFF GMBH [DE]
- [Y] EP 0976492 A1 20000202 - TIGRA HARTSTOFF GMBH [DE]
- [Y] US 1515548 A 19241111 - RUDOLF CEROTSKY
- [A] DE 8808954 U1 19880922
- [A] US 5399051 A 19950321 - AKEN DOUGLAS G [US], et al

Cited by

CN104582876A; EP1990154A3; KR101255567B1; KR101255670B1; WO2014018235A3; WO2009121595A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

EP 1319483 A2 20030618; **EP 1319483 A3 20050202**; **EP 1319483 B1 20070808**; AT E369239 T1 20070815; CA 2414252 A1 20030615; CA 2414252 C 20110823; DE 10161823 A1 20030626; DE 50210633 D1 20070920; DK 1319483 T3 20071203; ES 2290237 T3 20080216; PT 1319483 E 20071017; US 2003118415 A1 20030626; US 6986627 B2 20060117

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