

Title (en)

A DRILLING TOOL USED IN HORIZONTAL DRILLING APPLICATIONS

Title (de)

BEI HORIZONTALBOHRANWENDUNGEN VERWENDETES BOHRWERKZEUG

Title (fr)

OUTIL DE FORAGE UTILISE DANS DES APPLICATIONS DE FORAGE HORIZONTALES

Publication

**EP 1339939 A4 20050406 (EN)**

Application

**EP 01975838 A 20011009**

Priority

- AU 0101260 W 20011009
- AU PR068900 A 20001012

Abstract (en)

[origin: WO0231313A1] A drilling tool for enlarging previously drilled horizontal bore holes. The tool has a guide surface forward of the drilling means to engage in the previously drilled hole and a stabilising surface behind the drilling means to engage in the larger hole to support the drilling means. The guide and stabilising surfaces may include ribs, helical ribs, rings or rollers. A mud motor may be placed between the drilling means and the stabilising surface.

IPC 1-7

**E21B 10/28**

IPC 8 full level

**E21B 7/28** (2006.01); **E21B 10/28** (2006.01); **E21B 17/10** (2006.01)

CPC (source: EP)

**E21B 7/28** (2013.01); **E21B 10/28** (2013.01); **E21B 17/1078** (2013.01)

Citation (search report)

- [XY] US 5269384 A 19931214 - CHERRINGTON MARTIN D [US]
- [Y] EP 0872624 A2 19981021 - CAMCO INT UK LTD [GB]
- [X] US 5308150 A 19940503 - WHITEHOUSE THOMAS C [US]
- [Y] WO 9421889 A2 19940929 - NORTH JOHN [GB]
- [X] US 5314267 A 19940524 - OSADCHUK MARK [US]
- See references of WO 0231313A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 0231313 A1 20020418**; AT E348241 T1 20070115; AU PR068900 A0 20001109; CN 1282816 C 20061101; CN 1469964 A 20040121; DE 60125228 D1 20070125; DE 60125228 T2 20070927; EP 1339939 A1 20030903; EP 1339939 A4 20050406; EP 1339939 B1 20061213; HK 1060610 A1 20040813; RU 2276246 C2 20060510

DOCDB simple family (application)

**AU 0101260 W 20011009**; AT 01975838 T 20011009; AU PR068900 A 20001012; CN 01817317 A 20011009; DE 60125228 T 20011009; EP 01975838 A 20011009; HK 04103652 A 20040524; RU 2003113555 A 20011009