

Title (en)
Tube rod

Title (de)
Bohrgestänge mit Innenrohr

Title (fr)
Tige de forage avec conduit intérieur

Publication
EP 0979922 B1 20040128 (EN)

Application
EP 99305930 A 19990726

Priority
GB 9816494 A 19980730

Abstract (en)
[origin: EP0979922A2] A tube rod for rock drilling has a female threaded end (12) into which a male thread (either on a male connector or on the end of another tube rod) can be screwed to form part of a drill string. The female threaded end (12) is (a) of larger external diameter than the central section (10) of the rod and (b) has an annular groove (42%) with an asymmetrical profile, the flank of this groove nearest to the threaded end being steeper than the other flank. <IMAGE>

IPC 1-7
E21B 17/042

IPC 8 full level
E21B 17/042 (2006.01)

CPC (source: EP)
E21B 17/042 (2013.01); **E21B 17/0426** (2013.01)

Cited by
KR100987419B1; US7316268B2; US8066307B2; WO03036016A1; WO03097991A1; CN107683363A; US2018135782A1; AU2016266604B2; US11162619B2; WO2016188862A1; EP3298229B1

Designated contracting state (EPC)
AT FI SE

DOCDB simple family (publication)
EP 0979922 A2 20000216; EP 0979922 A3 20010117; EP 0979922 B1 20040128; AT E258645 T1 20040215; CA 2278987 A1 20000130; GB 2340148 A 20000216; GB 2340148 B 20021231; GB 9816494 D0 19980923

DOCDB simple family (application)
EP 99305930 A 19990726; AT 99305930 T 19990726; CA 2278987 A 19990727; GB 9816494 A 19980730