

Title (en)

Drilling device with telescoping Kelly tube

Title (de)

Bohrvorrichtung mit teleskopierbarer Kellystange

Title (fr)

Installation de forage avec tiges d'entraînement télescopiques

Publication

EP 0645519 B1 19971217 (DE)

Application

EP 94113836 A 19940903

Priority

DE 4333114 A 19930929

Abstract (en)

[origin: US5501287A] The drilling device includes a telescopable Kellybar (16) with an outer tube (17) and at least one telescope tube (18). A tool (22) is mounted to the lower end of the telescope tube (18). In order to supply pressure medium to the drilling tool (22), the telescope tube (18) includes an inner tube (25) which is connected to a pressure line (33) via a rotating head (30). In order to secure the stator of the rotating head against rotation, a rotation protecting means (36) is provided which projects into the outer tube (17). Without exchanging the drilling mast, the drilling device can be used for drill hole depths greater than the length of the drilling mast (10); nevertheless, it can be used with pressure fluid as flushing agent or driving agent for a tool.

IPC 1-7

E21B 17/07; **E21B 21/00**; **E21B 19/08**; **E21B 3/04**

IPC 8 full level

E21B 3/04 (2006.01); **E21B 17/07** (2006.01); **E21B 19/08** (2006.01); **E21B 21/00** (2006.01)

CPC (source: EP US)

E21B 17/07 (2013.01 - EP US)

Cited by

EP2821585A1; US9388644B2

Designated contracting state (EPC)

AT CH DE FR GB IT LI SE

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US 5501287 A 19960326; AT E161314 T1 19980115; DE 4333114 C1 19941013; DE 59404817 D1 19980129; EP 0645519 A1 19950329; EP 0645519 B1 19971217

DOCDB simple family (application)

US 30231694 A 19940908; AT 94113836 T 19940903; DE 4333114 A 19930929; DE 59404817 T 19940903; EP 94113836 A 19940903