

Title (en)

IMPROVED ROTARY ROLLER REAMER.

Title (de)

VERBESSERTER ROTIERENDER RÄUMER MIT ROLLEN.

Title (fr)

ALESEUR AMELIORE A ROULEAUX ROTATIFS.

Publication

**EP 0678150 A1 19951025 (EN)**

Application

**EP 95900553 A 19941110**

Priority

- AU 9400691 W 19941110
- AU PM230593 A 19931110

Abstract (en)

[origin: WO9513452A1] A rotary roller reamer (10) for a borehole has several rollers (11). Each roller (11) rotates about a fixed spindle (13) held at its ends in wedge blocks (14). The spindle (13) has two central passages (19), one at each end. At one end, passage (19) contains a freely slidable piston (21), which is subject to external pressure via a breather aperture (22). The other end passage (19) is blocked by a pressure plug (27) which, when removed, permits injection of grease through passages which include the bearing surfaces of the roller (11) and spindle (13). External pressure is applied to the grease through piston (21), so that there is little or no pressure differential to otherwise force mud into the bearing.

IPC 1-7

**E21B 10/24**; **E21B 10/30**

IPC 8 full level

**E21B 10/22** (2006.01); **E21B 10/24** (2006.01); **E21B 10/30** (2006.01)

CPC (source: EP US)

**E21B 10/24** (2013.01 - EP); **E21B 10/30** (2013.01 - EP US)

Designated contracting state (EPC)

AT DE FR GB

DOCDB simple family (publication)

**WO 9513452 A1 19950518**; AT E242417 T1 20030615; BG 62058 B1 19990129; BG 99845 A 19960430; CA 2154285 A1 19950518; CA 2154285 C 20051011; DE 69432786 D1 20030710; DE 69432786 T2 20040513; EP 0678150 A1 19951025; EP 0678150 A4 19990616; EP 0678150 B1 20030604; HU 218196 B 20000628; HU 9502230 D0 19950928; HU T72293 A 19960429; RU 2105122 C1 19980220

DOCDB simple family (application)

**AU 9400691 W 19941110**; AT 95900553 T 19941110; BG 9984595 A 19950803; CA 2154285 A 19941110; DE 69432786 T 19941110; EP 95900553 A 19941110; HU 9502230 A 19941110; RU 95114368 A 19941110