

Title (en)

IMPROVED ROTARY ROLLER REAMER

Title (de)

VERBESSERTER ROTIERENDER RÄUMER MIT ROLLEN

Title (fr)

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Publication

EP 0678150 B1 20030604 (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

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