

Title (en)

Roller drill bit with a cone-retaining means.

Title (de)

Rollenbohrmeissel mit Vorrichtung zum Festhalten des Kegels.

Title (fr)

Trépan de forage à molettes avec dispositif pour retenir le cône.

Publication

**EP 0289668 A1 19881109 (EN)**

Application

**EP 87303233 A 19870414**

Priority

EP 87303233 A 19870414

Abstract (en)

A drill bit is shown which is connectable to the lower end of a rotary drill string for use in drilling oil and gas wells as drilling mud is circulated downward through the string, out the bit, and upwardly within the annulus between the string and well bore so as to remove cuttings therefrom. The bit has cones (31) which are mounted for rotation about thrust bearings which extend inwardly from the lower ends of legs which depend from a shank at the upper end of the bit body which is attached to the drill string. The cones are secured on the bearing journals by a system of sealed liquid passages (50-51) and reservoirs which provide a liquid lock requiring no retaining bearings or washers.

IPC 1-7

**E21B 10/20**; **E21B 10/22**; **E21B 10/24**; **E21B 10/52**

IPC 8 full level

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CPC (source: EP)

**E21B 10/18** (2013.01); **E21B 10/20** (2013.01); **E21B 10/22** (2013.01); **E21B 10/246** (2013.01)

Citation (search report)

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- [A] US 3244459 A 19660405 - ORTLOFF JOHN E
- [A] FR 2438737 A1 19800509 - DRESSER IND [US]

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