

Title (en)

Apparatus for optional straight or directional drilling underground formations.

Title (de)

Gerät zum wahlweisen geradeaus oder gerichteten Bohren in unterirdischen Formationen.

Title (fr)

Appareil pour le forage optionnellement droit ou dirigé dans des formations souterraines.

Publication

EP 0163946 A1 19851211 (EN)

Application

EP 85105353 A 19850502

Priority

- DE 3417743 A 19840512
- DE 3423465 A 19840626

Abstract (en)

A device for selective straight or directional drilling in subterranean rock formations consists of a rotary drilling tool having a tool main axis (8) and comprising a housing (3) which comprises several sections and can be connected to a drill string (4), the housing (3) having a down-hole motor for driving a drill bit (13) by means of a driven shaft (12). For straight drilling, the housing (3) can be set in independent, slow rotation about the tool main axis (8) by being turned by the drill string (4), and for directional drilling can be aligned and fixed against turning. The lower section (10) of the housing adjacent to the drill bit and mounting the driven shaft is deflected relative to the tool main axis, and this section (10) is connected to an upper section (11) by an intermediate section which has an axis which intersects the axes of the upper and lower section. The device may include a plurality of interchangeable intermediate sections.

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IPC 8 full level

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CPC (source: EP)

E21B 7/068 (2013.01); **E21B 7/10** (2013.01); **E21B 17/10** (2013.01)

Citation (search report)

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