

Title (en)

ROCK BOLTS WITH AN EXPANDABLE ELEMENT

Title (de)

GEBIRGSANKER MIT AUFWEITBAREN ELEMENTEN

Title (fr)

BOULONS D'ANCRAGE A ELEMENTS EXPANSIBLES

Publication

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Application

**EP 03702186 A 20030121**

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Abstract (en)

[origin: WO03062599A1] The invention relates to a method and a device for drilling, more particularly for percussion drilling or rotary percussion drilling, a hole in ground or rock material and for forming an anchoring, wherein a borehole is formed by introducing a bore-crown (2). According to the invention, the boring rods of the boring device are configured by at least one expandable element (3, 4) having a cavity extending substantially in longitudinal direction of the boring for introducing a pressurized fluid so as to at least partly expand the outer periphery of the expandable element (3, 4) and/or the boring rods are connected to at least one expandable element (3, 4) having a cavity extending substantially in longitudinal direction of the boring for introducing a pressurized fluid so as to expand the outer periphery, whereby a secure anchoring can be achieved with a simplified construction by expanding the expandable element (3, 4) over the entire periphery and length of the device.

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