

Title (en)

DRILL DEVICE HAVING A ROTARY-VIBRATORY DRIVE

Title (de)

BOHRVORRICHTUNG MIT DREHSCHWINGUNGSANTRIEB

Title (fr)

DISPOSITIF DE FORAGE AYANT UN ENTRAÎNEMENT ROTATIF-VIBRATOIRE

Publication

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Application

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Abstract (en)

[origin: WO2009014444A1] The invention relates to a drill device comprising a vibratory drive connected to a drill string for providing a vibration to the drill string, a rotary drive connected to the drill string for providing a rotation to the drill string, characterized in that the vibratory drive is placed between the rotary drive and the drill string, and in that between the vibratory and rotary drives a coupling is placed, which coupling substantially prevents the passing on of vibrations from the vibratory drive to the rotary drive. Preferably the coupling has a first and a second coupling member that are placed coaxially with respect to each other, wherein the first coupling member comprises an internally toothed ring, wherein the second coupling member comprises a toothed wheel, wherein the teeth of the toothed wheel mesh with the toothed ring, wherein at least in a circumferential direction, a space between the teeth of the toothed ring is larger than the thickness of the teeth of the toothed wheel.

IPC 8 full level

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