

Title (en)  
DEVICE FOR DIRECTING DRILL HOLE CORES

Title (de)  
VORRICHTUNG ZUR ORIENTIERUNG VON BOHRKERNEN

Title (fr)  
DISPOSITIF PERMETTANT D'ORIENTER DES CAROTTES DE FORAGE

Publication  
**EP 1171767 A1 20020116 (FR)**

Application  
**EP 00918965 A 20000413**

Priority  
• FR 0000952 W 20000413  
• FR 9904869 A 19990419

Abstract (en)  
[origin: FR2792420A1] Device includes unit for associating a cradle (3) with a bed (2), unit for driving core (1) in rotation about its axis or revolution (12) relative to cradle when latter is located in first portion (5) of bed (2) and such that its side wall (9) passes through measuring point (10), unit for magnetic field determination at point (10), and unit (11) for processing magnetic field measurement signal. The unit for measuring the magnetic field at the measuring point has at least a first magnetometer able to output a first signal representing the value of the magnetic field at the measuring point and comprising the measuring signal. The unit can also include a second magnetometer associated with the first such that it can measure the magnetic field prevailing in the vicinity of the measuring point. The first and second magnetometers are located in first and second Gauss positions, respectively. The second magnetometer is able to output a second signal representing the value of the magnetic field measured in the vicinity of the measuring point. In this case, the combination of the first and second signals constitute the measuring signal.

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**G01N 33/24**

IPC 8 full level  
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CPC (source: EP)  
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Cited by  
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