

Title (en)

Drilling device and method for taking soil samples

Title (de)

Bohreinrichtung und Verfahren für die Entnahme von Bodenproben

Title (fr)

Dispositif de forage et procédé d'extraction d'échantillons de sol

Publication

EP 2050923 B1 20100811 (DE)

Application

EP 07118488 A 20071015

Priority

EP 07118488 A 20071015

Abstract (en)

[origin: EP2050923A1] The device (1) has a rotary transmission with a rotary head attached at an impact head (3). The rotary head is connected with a retaining element (14) designed as a drill head (15) for a drill pipe (16). The rotary head is provided with a continuous axial drill hole in which a fixing bar (24) is inserted. The fixing bar has an end region held in the impact head in a torque proof manner. Another end region is connected with a drill sample sheath (19) by connection elements. The drill sample sheath is inserted in the drill pipe, and a drill sample core is accommodated in the sample sheath. An independent claim is also included for a method for executing a drilling process with a drilling device.

IPC 8 full level

E21B 25/00 (2006.01)

CPC (source: EP)

E21B 47/095 (2020.05); **E21B 49/02** (2013.01)

Cited by

CN107975370A; CN104612126A; CN112781921A; WO2022069372A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2050923 A1 20090422; **EP 2050923 B1 20100811**; AT E477398 T1 20100815; DE 502007004738 D1 20100923; ES 2350609 T3 20110125

DOCDB simple family (application)

EP 07118488 A 20071015; AT 07118488 T 20071015; DE 502007004738 T 20071015; ES 07118488 T 20071015