

Title (en)

EQUIPMENT SYSTEM AND METHOD FOR ASCERTAINING THE DEPTH OF A BORE PRODUCED USING THE EQUIPMENT SYSTEM

Title (de)

GERÄTESYSTEM UND VERFAHREN ZUR ERMITTLUNG EINER TIEFE EINER BOHRUNG, DIE MIT DEM GERÄTESYSTEM ERZEUGT WIRD

Title (fr)

SYSTÈME D'ÉQUIPEMENT ET PROCÉDÉ PERMETTANT DE DÉTERMINER LA PROFONDEUR D'UN ALÉSAGE PRODUIT À L'AIDE DU SYSTÈME D'ÉQUIPEMENT

Publication

EP 4188627 A1 20230607 (DE)

Application

EP 21746442 A 20210719

Priority

- EP 20188335 A 20200729
- EP 2021070075 W 20210719

Abstract (en)

[origin: WO2022023095A1] The invention relates to an equipment system which has an equipment stand, drill equipment which is movably arranged on the equipment stand for carrying out a drilling process, and an advancement device for moving the core drill equipment along the equipment stand. The advancement device comprises a manual advancement device designed as a hand wheel or a lever for example, and the equipment system comprises a controller for evaluating measurement values. The advancement device or the manual advancement device comprises a sensor for ascertaining measurement values, wherein the measurement values are used to carry out an analysis and are transmitted to the controller, and a start point and/or an end point of the drilling process is detected by the controller by means of an abrupt change in drill parameters. A second aspect of the invention relates to a method for ascertaining the depth of a bore, said bore being produced using the proposed equipment system.

IPC 8 full level

B23B 49/00 (2006.01)

CPC (source: EP US)

B23B 47/26 (2013.01 - EP); **B23B 49/00** (2013.01 - EP US); **B23Q 15/225** (2013.01 - EP US); **B23B 2270/48** (2013.01 - US)

Citation (search report)

See references of WO 2022023095A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 3944917 A1 20220202; EP 4188627 A1 20230607; US 2023264270 A1 20230824; WO 2022023095 A1 20220203

DOCDB simple family (application)

EP 20188335 A 20200729; EP 2021070075 W 20210719; EP 21746442 A 20210719; US 202118017742 A 20210719