

Title (en)

DEVICE FOR CLEARING A HELICAL GAP BETWEEN TURNS OF AN AUGER AND METHOD FOR PRODUCING A BOREHOLE

Title (de)

VORRICHTUNG ZUM RÄUMEN EINES WENDELZWISCHENRAUMES EINER BOHRSCHECKE UND VERFAHREN ZUM ERSTELLEN EINER BOHRUNG

Title (fr)

DISPOSITIF DE DÉGAGEMENT D'UN ESPACE INTERMÉDIAIRE HÉLICOÏDAL D'UNE TARIÈRE ET PROCÉDÉ POUR CRÉER UN ALÉSAGE

Publication

**EP 3951128 C0 20230607 (DE)**

Application

**EP 20189666 A 20200805**

Priority

EP 20189666 A 20200805

Abstract (en)

[origin: WO2022028955A1] The invention relates to a device for cleaning a spiral space of an auger, having a holder for holding the device on a mast of a drill, a guide tube which partially encloses the auger and is mounted on the holder, and a cleaning element which engages in the spiral space and is mounted on the holder so as to be freely rotatable about the drilling axis. According to the invention, provision is made that the guide tube is mounted on the holder so as to be freely rotatable about the drilling axis, that the cleaning element is fixedly attached to the rotatably mounted guide tube, that, for cleaning, the guide tube is axially fixed in the direction of the drilling axis, and that, by way of an auger pulling operation, the cleaning element with the guide tube is able to be set in rotation about the drilling axis in order to clean the auger. Furthermore, the invention relates to a method for producing a drilled hole in the ground using a drill, wherein the device according to the invention is used.

IPC 8 full level

**E21B 12/06** (2006.01)

CPC (source: EP US)

**E21B 12/06** (2013.01 - EP US)

Cited by

EP4296467A1

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

Participating member state (EPC – UP)

AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)

**EP 3951128 A1 20220209; EP 3951128 B1 20230607; EP 3951128 C0 20230607;** AU 2021319774 A1 20230302; AU 2021319774 B2 20240822; BR 112022026719 A2 20230214; CN 116113749 A 20230512; ES 2955254 T3 20231129; US 11952838 B2 20240409; US 2023265720 A1 20230824; WO 2022028955 A1 20220210

DOCDB simple family (application)

**EP 20189666 A 20200805;** AU 2021319774 A 20210727; BR 112022026719 A 20210727; CN 202180057030 A 20210727; EP 2021071018 W 20210727; ES 20189666 T 20200805; US 202118040119 A 20210727