

Title (en)

Drilling device with telescopic auger, adapter piece and drilling method for drilling

Title (de)

Bohrgerät mit Teleskopbohrschnecke, Adapterstück und Bohrverfahren zur Durchführung von Bohrungen

Title (fr)

Appareil de forage doté d'une vis de forage télescopique, pièce d'adaptateur et procédé de forage pour la réalisation de forages

Publication

EP 2339107 B1 20190123 (DE)

Application

EP 10015951 A 20101222

Priority

US 28886809 P 20091222

Abstract (en)

[origin: EP2339107A2] The device has a drilling drive (4) attached to a carrier device in a movable manner, and a drilling worm gear rotatable around a longitudinal axis by the drilling drive. Energy transmission elements are provided for displacement of the worm gear along the longitudinal axis and extended through the drilling drive. A hydraulic-lift drive (6) is arranged in an inner area of a shaft for torque transmission. The shaft is provided with an inner tube (7a) and an outer tube (7b), where the elements are designed as hydraulic hoses (10a, 10b) filled with hydraulic oil.

IPC 8 full level

E21B 7/00 (2006.01); **E21B 7/02** (2006.01); **E21B 7/20** (2006.01); **E21B 17/07** (2006.01)

CPC (source: EP)

E21B 7/005 (2013.01); **E21B 7/02** (2013.01); **E21B 7/20** (2013.01); **E21B 17/07** (2013.01)

Citation (examination)

DE 3521148 A1 19861218 - ANLAGENTECH BAUMASCH IND [DE]

Cited by

CN105569568A; KR102466919B1; CN114151010A; CN114233179A; CN113006693A; CN113356754A; CN117823052A

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2339107 A2 20110629; EP 2339107 A3 20110817; EP 2339107 B1 20190123

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