

Title (en)  
HORIZONTAL GROUND DRILLING DEVICE

Title (de)  
HORIZONTALERDBOHRVORRICHTUNG

Title (fr)  
DISPOSITIF DE FORAGE HORIZONTAL DE LA TERRE

Publication  
**EP 3029263 B1 20200219 (DE)**

Application  
**EP 15003452 A 20151204**

Priority  
DE 102014018101 A 20141205

Abstract (en)  
[origin: US2016160584A1] A drive of a slide which can move back and forth of an earth drilling device to move a drill string, wherein a rod, which can move relative to a cylinder, and tension transmitting means are provided in a frame and act on the slide, wherein the rod is connected to the frame, and deflection rollers are provided for the tension transmitting means on the frame and on the cylinder.

IPC 8 full level  
**E21B 19/084** (2006.01); **E21B 19/086** (2006.01)

CPC (source: EP US)  
**E21B 7/046** (2013.01 - US); **E21B 19/084** (2013.01 - EP US); **E21B 19/086** (2013.01 - EP US)

Citation (examination)  
• US 3089550 A 19630514 - WATSON JOHN V  
• US 3835940 A 19740917 - WINTER H

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

DOCDB simple family (publication)  
**EP 3029263 A1 20160608; EP 3029263 B1 20200219**; DE 102014018101 A1 20160609; PL 3029263 T3 20200713; US 10227834 B2 20190312; US 2016160584 A1 20160609

DOCDB simple family (application)  
**EP 15003452 A 20151204**; DE 102014018101 A 20141205; PL 15003452 T 20151204; US 201514957001 A 20151202