

Title (en)  
Drilling tool and method for drilling in soil

Title (de)  
Bohrwerkzeug und Verfahren zum Erdbohren

Title (fr)  
Outil de forage et procédé de forage terrestre

Publication  
**EP 2770156 B1 20181010 (DE)**

Application  
**EP 13156667 A 20130226**

Priority  
EP 13156667 A 20130226

Abstract (en)  
[origin: EP2770156A1] The drilling tool (10) has drill rod element (14) that is connected to rotary drive, and driven in rotating manner about drilling axis. A removal tooth is supported in adjustable manner inside frame-like housing (12) between retracted position and operating position in which removal tooth projects radially from housing. A transmission mechanism is arranged within the housing for transmitting rotational movement of drill rod element into radial movement for radial adjustment of removal tooth. An independent claim is included for a method for drilling the earth using drilling tool.

IPC 8 full level  
**E21B 7/00** (2006.01); **E21B 10/32** (2006.01)

CPC (source: EP RU US)  
**E21B 3/022** (2020.05 - EP RU US); **E21B 7/005** (2013.01 - EP RU US); **E21B 7/28** (2013.01 - RU); **E21B 10/26** (2013.01 - RU); **E21B 10/32** (2013.01 - EP RU US); **E21B 10/44** (2013.01 - RU)

Citation (examination)  
US 3032128 A 19620501 - WALTON JAMES P

Cited by  
CN116537700A; CN111456667A; CN110454097A; CN113216830A

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 2770156 A1 20140827**; **EP 2770156 B1 20181010**; EP 2770157 A1 20140827; MY 172774 A 20191212; RU 2014105112 A 20150820; RU 2602260 C2 20161110; US 2014238749 A1 20140828; US 9580964 B2 20170228

DOCDB simple family (application)  
**EP 13156667 A 20130226**; EP 14158322 A 20130226; MY PI2014000537 A 20140226; RU 2014105112 A 20140213; US 201414189678 A 20140225