

Title (en)

BORING ELEMENT OF A GROUND BORING DEVICE

Title (de)

BOHRELEMENT EINER ERDBOHRVORRICHTUNG

Title (fr)

ÉLÉMENT DE FORAGE D'UN DISPOSITIF DE SONDAGE

Publication

**EP 2483522 B1 20171220 (DE)**

Application

**EP 10763607 A 20100924**

Priority

- DE 102009043716 A 20091001
- EP 2010005850 W 20100924

Abstract (en)

[origin: WO2011038866A2] The invention relates to a boring element of a ground boring device, comprising a housing and a transmitter arranged in a receiving element of the housing, said transmitter being mounted in the receiving element in such a way that it can move in the longitudinal axial direction of the boring element, and is connected to the housing by a front-side buffer in such a way that the transmitter, when there is a rear percussive impulse on the boring element, moves towards the rear in the receiving element, as a result of a deformation of the buffer, without the transmitter coming directly into contact with another part of the boring element.

IPC 8 full level

**E21B 47/01** (2012.01); **E21B 7/04** (2006.01)

CPC (source: EP US)

**E21B 7/046** (2013.01 - EP US); **E21B 47/017** (2020.05 - EP US)

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 SE SI SK SM TR

DOCDB simple family (publication)

**DE 102009043716 A1 20110407**; **DE 102009043716 B4 20200402**; EP 2483522 A2 20120808; EP 2483522 B1 20171220; US 2012273274 A1 20121101; US 9206682 B2 20151208; WO 2011038866 A2 20110407; WO 2011038866 A3 20110721

DOCDB simple family (application)

**DE 102009043716 A 20091001**; EP 10763607 A 20100924; EP 2010005850 W 20100924; US 201013499422 A 20100924