

Title (en)

Tool and method for cleaning a borehole

Title (de)

Werkzeug und Verfahren zum Reinigen eines Bohrlochs

Title (fr)

Outil et procédé destinés au nettoyage d'un trou de forage

Publication

EP 2468427 A3 20130320 (DE)

Application

EP 11190089 A 20111122

Priority

DE 102010063859 A 20101222

Abstract (en)

[origin: EP2468427A2] The tool (10) has a tool shaft (14) that is provided with an axial cleaning end (18). A conveying element (20) is provided for removing of bore dust (22) from a borehole (12), which is fixed at the tool shaft and is arranged in axial direction around the helically around the tool shaft. The conveying element is formed as an open channel (24). An independent claim is also included for a method for cleaning a borehole.

IPC 8 full level

B08B 1/00 (2006.01); **A46B 9/06** (2006.01); **A46B 13/00** (2006.01); **B08B 9/00** (2006.01); **B28D 7/02** (2006.01)

CPC (source: EP US)

A46B 9/06 (2013.01 - EP US); **A46B 13/006** (2013.01 - EP US); **B08B 1/00** (2013.01 - US); **B08B 1/12** (2024.01 - EP); **B08B 9/00** (2013.01 - EP US); **B28D 7/02** (2013.01 - EP US); **A46B 5/02** (2013.01 - EP US); **A46B 15/0002** (2013.01 - EP US); **A46B 2200/3013** (2013.01 - EP US)

Citation (search report)

- [X] DE 2403722 A1 19740801 - REINHOLDT AS H
- [A] DE 19757424 A1 19990624 - HILTI AG [LI]
- [A] EP 2123369 A2 20091125 - HILTI AG [LI]
- [A] EP 0201724 A2 19861120 - HAWERA PROBST KG HARTMETALL [DE]

Cited by

CN105032853A; CN105032861A; CN106984971A; CN115213147A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2468427 A2 20120627; **EP 2468427 A3 20130320**; **EP 2468427 B1 20150415**; DE 102010063859 A1 20120628; JP 2012139676 A 20120726; PL 2468427 T3 20150930; TW 201233470 A 20120816; US 2013019896 A1 20130124; US 9802226 B2 20171031

DOCDB simple family (application)

EP 11190089 A 20111122; DE 102010063859 A 20101222; JP 2011274838 A 20111215; PL 11190089 T 20111122; TW 100142673 A 20111122; US 201113332632 A 20111221