

Title (en)
TOOL FOR ROUGHENING A BOREHOLE SURFACE

Title (de)
WERKZEUG ZUM AUFRAUEN EINER BOHRLOCHOBERFLÄCHE

Title (fr)
OUTIL POUR RUGOSIFIER LA SURFACE D'UN TROU DE FORAGE

Publication
EP 3352932 A1 20180801 (DE)

Application
EP 16767279 A 20160920

Priority
• EP 15186465 A 20150923
• EP 2016072240 W 20160920

Abstract (en)
[origin: CA2998678A1] The invention relates to a tool for roughening a borehole surface which has a coupling portion (12) for clamping the tool (10) in a drill device and has a tool head (14) for processing the borehole surface, cutting means (18) which are circumferentially arranged on the tool head (14) being provided. A borehole surface can be roughened in a reliable manner as a result of the fact that the tool head (14) has at least one laterally continuous slot (20) which extends from an end face (22) of the tool head (14) axially along a tool longitudinal axis (A), and that the tool (10) has a suction channel (11), which extends at least partially axially along the tool longitudinal axis (A), for suctioning drilling dust, the suction channel (11) extending from the end face (22) of the tool head (14) within the tool shank (16) and opening circumferentially into a connection opening (13) in the tool shank (16).

IPC 8 full level
B23B 27/00 (2006.01); **B23P 9/02** (2006.01); **B23Q 11/00** (2006.01); **C23C 4/02** (2006.01)

CPC (source: EP RU US)
B23B 27/002 (2013.01 - EP US); **B23B 51/0018** (2013.01 - EP US); **B23P 9/02** (2013.01 - EP US); **B23Q 11/0046** (2013.01 - EP US); **B28D 1/14** (2013.01 - RU); **B28D 1/146** (2013.01 - EP US); **B23B 2251/70** (2013.01 - EP US); **B23B 2270/06** (2013.01 - EP US); **B23B 2270/30** (2013.01 - EP US); **B23B 2270/62** (2013.01 - EP US)

Citation (search report)
See references of WO 2017050730A1

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 3147051 A1 20170329; AU 2016328358 A1 20180329; AU 2016328358 B2 20210624; CA 2998678 A1 20170330; CA 2998678 C 20231010; CN 108025372 A 20180511; CN 108025372 B 20210629; EP 3352932 A1 20180801; JP 2018534170 A 20181122; RU 2018114711 A 20191023; RU 2018114711 A3 20191205; RU 2713765 C2 20200207; US 10589361 B2 20200317; US 2018339347 A1 20181129; WO 2017050730 A1 20170330

DOCDB simple family (application)
EP 15186465 A 20150923; AU 2016328358 A 20160920; CA 2998678 A 20160920; CN 201680054512 A 20160920; EP 16767279 A 20160920; EP 2016072240 W 20160920; JP 2018515508 A 20160920; RU 2018114711 A 20160920; US 201615761460 A 20160920