

Title (en)

APPARATUS AND METHOD FOR DRILLING ANNULAR CAVITIES

Title (de)

VORRICHTUNG UND VERFAHREN ZUM BOHREN RINGFÖRMIGER HOHLRÄUME

Title (fr)

APPAREIL ET PROCÉDÉ POUR FORER DES CAVITÉS ANNULAIRES

Publication

**EP 3199709 A1 20170802 (EN)**

Application

**EP 16153711 A 20160201**

Priority

EP 16153711 A 20160201

Abstract (en)

A drilling assembly (2) for forming an annular cavity in a substrate is disclosed. The drilling assembly comprises an annular inner pile (6) including a first annular part (10), an annular outer pile (4) including a second annular part (8) and cutters (16) mounted to an end of the inner pile. The first annular part is located inside the second annular part, and the cutters are moveable relative to the inner pile between a first condition, in which rotation in a first direction of the inner pile causes the cutters to form an annular cavity in the substrate, and a second condition, in which the inner pile and the cutters can be removed from the cavity while leaving the outer pile in the cavity.

IPC 8 full level

**E02D 5/80** (2006.01)

CPC (source: EP)

**E02D 5/80** (2013.01)

Citation (applicant)

EP 2813623 A1 20141217 - BLADE OFFSHORE SERVICES LTD [GB]

Citation (search report)

- [A] DE 4432472 A1 19960314 - REBURG PATENTVERWERTUNGS GMBH [DE]
- [A] EP 0368838 A1 19900516 - SAUER GERHARD
- [A] EP 2813623 A1 20141217 - BLADE OFFSHORE SERVICES LTD [GB]

Cited by

WO2020201719A1

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 3199709 A1 20170802; EP 3199709 B1 20190807**

DOCDB simple family (application)

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