

Title (en)

DEVICE AND METHOD FOR ROUGHENING SUBSTRATES

Title (de)

VORRICHTUNG UND VERFAHREN ZUM AUFRAUEN VON SUBSTRATEN

Title (fr)

DISPOSITIF ET PROCÉDÉ DE RUGOSIFICATION DE SUBSTRATS

Publication

**EP 3423229 A2 20190109 (DE)**

Application

**EP 17706210 A 20170217**

Priority

- DE 102016103578 A 20160229
- EP 2017053668 W 20170217

Abstract (en)

[origin: WO2017148716A2] The invention relates to a device for roughening cylinder bores using a beam tool and offering a very high level of process reliability even for a large quantity.

IPC 8 full level

**B23K 26/00** (2014.01); **B23K 26/06** (2014.01); **B23K 26/08** (2014.01); **B23K 26/352** (2014.01)

CPC (source: EP KR US)

**B23K 26/0006** (2013.01 - EP); **B23K 26/009** (2013.01 - US); **B23K 26/0643** (2013.01 - EP KR US); **B23K 26/0648** (2013.01 - US); **B23K 26/0876** (2013.01 - EP KR US); **B23K 26/106** (2013.01 - EP); **B23K 26/16** (2013.01 - EP US); **B23K 26/352** (2015.10 - EP); **B23K 26/3584** (2018.07 - EP KR US); **B23K 26/702** (2015.10 - US); **B23K 26/703** (2015.10 - US); **B23K 26/705** (2015.10 - US); **B23K 26/706** (2015.10 - US); **B23K 37/0235** (2013.01 - EP); **B23K 37/0426** (2013.01 - US); **B23K 37/0443** (2013.01 - EP); **B23K 2101/006** (2018.07 - EP KR US); **B23K 2101/35** (2018.07 - EP KR)

Citation (search report)

See references of WO 2017148716A2

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

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BA ME

DOCDB simple family (publication)

**DE 102016103578 A1 20170831**; **DE 102016103578 B4 20210812**; CN 108698162 A 20181023; CN 108698162 B 20210514; DE 202016008441 U1 20171220; EP 3423229 A2 20190109; KR 102186359 B1 20201204; KR 20180119591 A 20181102; MX 2018010368 A 20181206; US 11364571 B2 20220621; US 2021213566 A1 20210715; WO 2017148716 A2 20170908; WO 2017148716 A3 20171026

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