

Title (en)

TOOL CHUCK, UNIT FOR TRANSFORMING A PLANAR SUBSTRATE, AND OPERATING METHOD

Title (de)

WERKZEUGSPINDEL, TRANSFORMATIONSGRUPPE EINER EBENEN AUFLAGEFLÄCHE UND FUNKTIONSVERFAHREN

Title (fr)

MANDRIN D'OUTIL ROTATIF, GROUPE DE TRANSFORMATION D'UN SUPPORT PLAN, ET PROCÉDÉ DE FONCTIONNEMENT

Publication

**EP 3227042 B1 20211208 (FR)**

Application

**EP 15801685 A 20151120**

Priority

- EP 14020104 A 20141204
- EP 2015025086 W 20151120

Abstract (en)

[origin: WO2016087047A1] A rotary tool chuck for a unit for modifying a flat material, on which a sleeve (13) is intended to be fitted, comprises a cylindrical core (14), a peripheral wall (17), which is able to take up a rest position and a locking position exerting a radial pressure on the sleeve (13) so as to lock it in position on the chuck (12), a pressure fluid circuit (21), provided between the peripheral wall (17) and the cylindrical core (14), for exerting the radial pressure on the sleeve (13), and a cooling fluid circuit (24) for allowing circulation of a fluid at the cylindrical core (14) and for cooling the chuck (12).

IPC 8 full level

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CPC (source: CN EP KR US)

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Citation (examination)

- EP 2428361 A1 20120314 - UTECO CONVERTING SPA [IT]
- US 5345864 A 19940913 - MACHGUTH GUENTHER [CH], et al
- US 2003205156 A1 20031106 - BELANGER JAMES RICHARD [US], et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2016087047 A1 20160609**; CN 107107518 A 20170829; CN 107107518 B 20201106; EP 3227042 A1 20171011; EP 3227042 B1 20211208; ES 2902695 T3 20220329; JP 2018505789 A 20180301; JP 6445159 B2 20181226; KR 20170086084 A 20170725; US 10464276 B2 20191105; US 2017305095 A1 20171026

DOCDB simple family (application)

**EP 2015025086 W 20151120**; CN 201580071120 A 20151120; EP 15801685 A 20151120; ES 15801685 T 20151120; JP 2017529027 A 20151120; KR 20177016870 A 20151120; US 201515531801 A 20151120