

Title (en)

METHOD FOR THE ADDITIVE PRODUCTION OF A COMPONENT AND COMPUTER-READABLE MEDIUM

Title (de)

VERFAHREN ZUR ADDITIVEN HERSTELLUNG EINES BAUTEILS UND COMPUTERLESBARES MEDIUM

Title (fr)

PROCÉDÉ DE FABRICATION ADDITIVE D'UNE PIÈCE ET SUPPORT LISIBLE PAR ORDINATEUR

Publication

EP 3512651 A1 20190724 (DE)

Application

EP 17794905 A 20171018

Priority

- DE 102016222555 A 20161116
- EP 2017076538 W 20171018

Abstract (en)

[origin: WO2018091216A1] The invention relates to a method for the additive production of a component (10, 10a, 10b, 10c), comprising the detecting of a component geometry of a first region of the component to be additively produced, the transferring of structural geometry (7, 7a, 7b, 7c) derived from the detected component geometry to a processing region (4) of a construction platform (1), the mechanical processing of the construction platform (1) in the processing region (4) such that the structural geometry (7) is transferred to the structure of the construction platform (1), such that a structural surface (AF) for the component (10) is defined by the structural geometry (7), and the additive structuring of the component (10) on the structural surface (AF). The invention further relates to a computer-readable medium.

IPC 8 full level

B22F 3/105 (2006.01); **B22F 3/24** (2006.01); **B22F 5/10** (2006.01)

CPC (source: EP US)

B22F 5/10 (2013.01 - EP US); **B22F 10/47** (2021.01 - EP US); **B22F 10/64** (2021.01 - EP US); **B22F 10/66** (2021.01 - EP US); **B22F 10/68** (2021.01 - EP US); **B22F 10/80** (2021.01 - EP US); **B22F 12/30** (2021.01 - EP US); **B33Y 10/00** (2014.12 - EP US); **B33Y 50/02** (2014.12 - US); **B33Y 80/00** (2014.12 - EP); **B22F 5/009** (2013.01 - EP); **B22F 5/04** (2013.01 - EP); **B22F 10/28** (2021.01 - EP US); **B22F 2003/247** (2013.01 - US); **B22F 2301/15** (2013.01 - US); **B22F 2999/00** (2013.01 - EP); **C22C 1/0433** (2013.01 - EP); **Y02P 10/25** (2015.11 - EP)

Citation (search report)

See references of WO 2018091216A1

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)

DE 102016222555 A1 20180517; CN 109996627 A 20190709; CN 109996627 B 20220819; EP 3512651 A1 20190724; US 2019321886 A1 20191024; WO 2018091216 A1 20180524

DOCDB simple family (application)

DE 102016222555 A 20161116; CN 201780071179 A 20171018; EP 17794905 A 20171018; EP 2017076538 W 20171018; US 201716344446 A 20171018