

Title (en)

METHOD FOR DETERMINING DATA FOR IMPROVED CONTROL OF A DEVICE FOR PRODUCING ARTICLES BY THE METHOD OF SELECTIVE POWDER MELTING AND DEVICE THEREFOR

Title (de)

VERFAHREN ZUR ERMITTLUNG VON DATEN ZUR VERBESSERTEN STEUERUNG EINER VORRICHTUNG ZUR HERSTELLUNG VON GEGENSTÄNDEN NACH DER METHODE DES SELEKTIVEN PULVERSCHEMELZENS SOWIE VORRICHTUNG DAZU

Title (fr)

PROCÉDÉ DE DÉTERMINATION DE DONNÉES PERMETTANT D'AMÉLIORER LA COMMANDE D'UN DISPOSITIF DE FABRICATION D'OBJETS PAR LE PROCÉDÉ DE FUSION SÉLECTIVE DE POUDRE, AINSI QUE DISPOSITIF AFFÉRENT

Publication

EP 3740335 A1 20201125 (DE)

Application

EP 18807311 A 20181121

Priority

- DE 102018200721 A 20180117
- EP 2018082026 W 20181121

Abstract (en)

[origin: WO2019141410A1] By means of a device for producing articles by the method of selective laser melting, at least one article (21, 23, 25, 26, 27) that has at least one specific geometrical feature is built up by applying certain irradiation parameters, wherein the radiation emanating from locations (33) that are currently being irradiated, in particular the local heating of the material, is contactlessly detected by means of at least one sensor (31) in association with localisation data of the irradiated location (33) concerned and wherein optimised irradiation parameters are determined on the basis of the data recorded - and locations to be irradiated are archived in association with relevant localisation data for use in the production of articles that have the specific geometrical feature by the method of selective laser melting.

IPC 8 full level

B22F 3/105 (2006.01); **B29C 64/153** (2017.01); **B29C 64/393** (2017.01); **B33Y 50/02** (2015.01)

CPC (source: EP US)

B22F 10/28 (2021.01 - EP US); **B22F 10/85** (2021.01 - EP US); **B22F 12/90** (2021.01 - EP US); **B29C 64/153** (2017.07 - EP); **B29C 64/393** (2017.07 - EP); **B33Y 30/00** (2014.12 - EP); **B33Y 50/02** (2014.12 - EP US); **B22F 2999/00** (2013.01 - EP); **Y02P 10/25** (2015.11 - EP)

Citation (search report)

See references of WO 2019141410A1

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 102018200721 A1 20190718; EP 3740335 A1 20201125; WO 2019141410 A1 20190725

DOCDB simple family (application)

DE 102018200721 A 20180117; EP 18807311 A 20181121; EP 2018082026 W 20181121