

Title (en)
HEATING/COOLING A PROCESS CHAMBER OF A PRODUCTION DEVICE FOR ADDITIVELY MANUFACTURING THREE-DIMENSIONAL COMPONENTS

Title (de)
HEIZEN/KÜHLEN EINER PROZESSKAMMER EINER HERSTELLVORRICHTUNG ZUR ADDITIVEN FERTIGUNG DREIDIMENSIONALER BAUTEILE

Title (fr)
CHAUFFAGE/REFROIDISSEMENT D'UNE CHAMBRE DE TRAITEMENT D'UN DISPOSITIF DE FABRICATION ADDITIVE DE COMPOSANTS TRIDIMENSIONNELS

Publication
EP 3880390 A1 20210922 (DE)

Application
EP 19802154 A 20191111

Priority
• DE 102018128243 A 20181112
• EP 2019080840 W 20191111

Abstract (en)
[origin: WO2020099305A1] The invention relates to a production device for additively manufacturing three-dimensional components by the layer-by-layer application of a construction material by means of at least one coating unit (13) and spatially selective solidification of a construction material by means of at least one irradiation unit, comprising a process chamber (17) having at least one heat-reflecting apparatus, in particular heat-reflecting layer (20a, 20b), which shields at least one portion of a surface within the process chamber (17).

IPC 8 full level
B22F 3/105 (2006.01); **B29C 64/153** (2017.01); **B33Y 30/00** (2015.01)

CPC (source: EP US)
B22F 10/28 (2021.01 - EP US); **B22F 12/20** (2021.01 - EP US); **B22F 12/38** (2021.01 - US); **B22F 12/70** (2021.01 - EP US); **B29C 64/153** (2017.07 - EP); **B29C 64/364** (2017.07 - EP); **B33Y 30/00** (2014.12 - EP US); **B22F 10/32** (2021.01 - EP US); **B22F 10/36** (2021.01 - EP US); **B22F 10/366** (2021.01 - EP US); **B22F 12/13** (2021.01 - EP US); **B22F 12/45** (2021.01 - EP US); **B22F 12/67** (2021.01 - EP US); **B22F 12/90** (2021.01 - EP US); **Y02P 10/25** (2015.11 - EP)

Citation (search report)
See references of WO 2020099305A1

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 102018128243 A1 20200514; CN 113195131 A 20210730; CN 113195131 B 20231215; EP 3880390 A1 20210922; JP 2022513016 A 20220207; US 2021394273 A1 20211223; WO 2020099305 A1 20200522

DOCDB simple family (application)
DE 102018128243 A 20181112; CN 201980083511 A 20191111; EP 19802154 A 20191111; EP 2019080840 W 20191111; JP 2021525776 A 20191111; US 201917309210 A 20191111