

Title (en)
DEVICE FOR PROCESSING DATA FOR ADDITIVE MANUFACTURING

Title (de)
VORRICHTUNG ZUR VERARBEITUNG VON DATEN ZUR GENERATIVEN FERTIGUNG

Title (fr)
DISPOSITIF DE TRAITEMENT DE DONNÉES POUR FABRICATION ADDITIVE

Publication
EP 3317783 A1 20180509 (FR)

Application
EP 16747818 A 20160628

Priority
• FR 1556188 A 20150630
• FR 2016051603 W 20160628

Abstract (en)
[origin: WO2017001768A1] An additive manufacturing device processes voxels representing an object to be additively manufactured by determining two graphs depending on whether the voxels indicate full or empty spaces, and redefines some of the voxels indicating an empty space as full spaces in order to ensure mechanical stability.

IPC 8 full level
G06F 17/50 (2006.01); **B29C 67/00** (2017.01); **B33Y 50/00** (2015.01); **B33Y 80/00** (2015.01); **G06T 15/04** (2011.01); **G06T 17/00** (2006.01)

CPC (source: EP US)
B29C 64/386 (2017.08 - EP US); **B29C 64/393** (2017.08 - US); **B33Y 50/00** (2014.12 - EP US); **B33Y 50/02** (2014.12 - US); **G06F 30/00** (2020.01 - EP US); **G06F 30/17** (2020.01 - US); **G06T 15/06** (2013.01 - US); **G06F 2113/10** (2020.01 - US); **G06F 2119/18** (2020.01 - EP US); **Y02P 90/02** (2015.11 - EP US)

C-Set (source: US)
B29C 64/393 + B33Y 50/00 + B29C 64/386 + G06F 30/00 + G06F 30/17 + B33Y 50/02 + G06T 15/06 + Y02P 90/02 + G06F 2119/18

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)
WO 2017001768 A1 20170105; EP 3317783 A1 20180509; FR 3038254 A1 20170106; FR 3038254 B1 20210212; US 10751947 B2 20200825; US 2018264736 A1 20180920

DOCDB simple family (application)
FR 2016051603 W 20160628; EP 16747818 A 20160628; FR 1556188 A 20150630; US 201615738465 A 20160628