

Title (en)

METHOD AND ARRANGEMENT FOR BUILDING METALLIC OBJECTS BY SOLID FREEFORM FABRICATION WITH TWO WELDING GUNS

Title (de)

VERFAHREN UND ANORDNUNG ZUR HERSTELLUNG VON METALLISCHEN GEGENSTÄNDEN DURCH
FESTKÖRPERFREIFORMHERSTELLUNG MIT ZWEI WIDERSTANDSSCHWEISSPISTOLEN

Title (fr)

PROCÉDÉ ET AGENCEMENT POUR LA CONSTRUCTION D'OBJETS MÉTALLIQUES PAR FABRICATION DE FORMES LIBRES SOLIDES À
L'AIDE DE DEUX CANONS DE SOUDAGE

Publication

EP 3481579 A1 20190515 (EN)

Application

EP 17721163 A 20170504

Priority

- US 201615206154 A 20160708
- EP 2017060668 W 20170504

Abstract (en)

[origin: WO2018007042A1] Provided are a systems and methods for manufacturing objects by solid freeform fabrication, especially titanium and titanium alloy objects, wherein the deposition rate is increased by using two separate heat sources, one heat source for heating the deposition area on the base material and one heat source for heating and melting a metallic material, such as a metal wire or a powdered metallic material.

IPC 8 full level

B23K 9/04 (2006.01); **B23K 10/02** (2006.01); **B23K 15/00** (2006.01); **B23K 26/08** (2014.01); **B23K 26/342** (2014.01); **B33Y 10/00** (2015.01); **B33Y 30/00** (2015.01)

CPC (source: EP US)

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Designated extension state (EPC)

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