

Title (en)
SYSTEMS AND METHODS FOR FABRICATING THREE-DIMENSIONAL OBJECTS

Title (de)
SYSTEME UND VERFAHREN ZUR HERSTELLUNG DREIDIMENSIONALER GEGENSTÄNDE

Title (fr)
SYSTÈMES ET PROCÉDÉS POUR FABRIQUER DES OBJETS TRIDIMENSIONNELS

Publication
EP 2917012 A4 20160810 (EN)

Application
EP 13853522 A 20131108

Priority
• US 201261723991 P 20121108
• US 2013069349 W 20131108

Abstract (en)
[origin: WO2014074954A2] Systems and methods for fabricating three-dimensional objects. The system includes an optical imaging system providing a light source; a photosensitive medium adapted to change states upon exposure to a portion of the light source from the optical imaging system; a control system for controlling movement of the optical imaging system, wherein the optical imaging system moves continuously above the photosensitive medium. The method includes moving a maskless optical imaging system providing the light beam in a continuous sequence; presenting the light beam on a portion of the photosensitive medium; lowering a plate upon which the photosensitive medium resides; and applying a new layer of the photosensitive medium.

IPC 8 full level
B29C 35/08 (2006.01); **B29C 45/14** (2006.01); **B29C 49/52** (2006.01); **B29C 67/00** (2006.01); **B33Y 30/00** (2015.01)

CPC (source: EP US)
B29C 64/124 (2017.07 - EP); **B29C 64/171** (2017.07 - EP); **B29C 64/268** (2017.07 - EP US); **B29C 64/277** (2017.07 - EP US);
B29C 64/40 (2017.07 - EP); **B33Y 30/00** (2014.12 - EP US)

Citation (search report)
• [X] US 2002164069 A1 20021107 - NAGANO KAZUHIKO [JP], et al
• [X] US 6391245 B1 20020521 - SMITH JEFFREY M [US]
• [X] US 2010003619 A1 20100107 - DAS SUMAN [US], et al
• See references of WO 2014074954A2

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

DOCDB simple family (publication)
WO 2014074954 A2 20140515; WO 2014074954 A3 20150129; CN 105163922 A 20151216; CN 105163922 B 20181106;
EP 2917012 A2 20150916; EP 2917012 A4 20160810; EP 3925761 A1 20211222; HK 1218638 A1 20170303; JP 2016501139 A 20160118;
JP 6306603 B2 20180404

DOCDB simple family (application)
US 2013069349 W 20131108; CN 201380069753 A 20131108; EP 13853522 A 20131108; EP 21179065 A 20131108; HK 16106613 A 20160608;
JP 2015541967 A 20131108