

Title (en)
METHOD FOR PRODUCING A THREE-DIMENSIONAL OBJECT

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES DREIDIMENSIONALEN OBJEKTS

Title (fr)
PROCÉDÉ DE FABRICATION D'UN OBJET TRIDIMENSIONNEL

Publication
EP 3615592 A1 20200304 (DE)

Application
EP 18721331 A 20180425

Priority
• DE 102017206963 A 20170425
• EP 2018060629 W 20180425

Abstract (en)
[origin: WO2018197577A1] A method for producing a three-dimensional object by selective layered solidification of a powdered material at the points corresponding to the cross section of the object in each layer by means of the action of electromagnetic radiation. The powdered material comprises at least one polymer which can be provided from the melt merely in substantially or completely amorphous or completely amorphous form, or a polymer blend which can be provided from the melt merely in substantially or completely amorphous or completely amorphous form. The powdered material has a specific melt enthalpy of at least 1 J/g.

IPC 8 full level
C08G 73/10 (2006.01); **B29C 64/153** (2017.01); **B33Y 70/00** (2020.01); **C08G 64/06** (2006.01); **C08G 64/08** (2006.01); **C08G 64/10** (2006.01); **C08G 77/455** (2006.01); **C08L 79/08** (2006.01)

CPC (source: EP US)
B29C 64/153 (2017.07 - EP US); **B33Y 10/00** (2014.12 - US); **B33Y 70/00** (2014.12 - EP US); **C08G 64/06** (2013.01 - EP); **C08G 64/081** (2013.01 - EP); **C08G 64/10** (2013.01 - EP); **C08G 73/1042** (2013.01 - EP); **C08G 73/1053** (2013.01 - EP); **C08G 73/106** (2013.01 - EP); **C08G 73/1071** (2013.01 - EP); **C08G 77/455** (2013.01 - EP); **C08L 69/00** (2013.01 - EP); **C08L 71/00** (2013.01 - EP); **C08L 71/12** (2013.01 - EP); **C08L 79/08** (2013.01 - EP US); **C09D 11/037** (2013.01 - US); **C09D 11/102** (2013.01 - US); **B29K 2079/085** (2013.01 - US); **B29K 2105/0032** (2013.01 - US); **B29K 2105/0094** (2013.01 - US); **B29K 2105/251** (2013.01 - US); **B29K 2507/04** (2013.01 - US); **B29K 2995/0063** (2013.01 - US); **B33Y 10/00** (2014.12 - EP); **C08G 2650/40** (2013.01 - EP)

C-Set (source: EP)
1. **C08L 79/08** + **C08L 79/08**
2. **C08L 69/00** + **C08L 69/00**

Citation (search report)
See references of WO 2018197577A1

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 102017206963 A1 20181025; CN 110573554 A 20191213; EP 3615592 A1 20200304; US 11732133 B2 20230822; US 2020140706 A1 20200507; WO 2018197577 A1 20181101

DOCDB simple family (application)
DE 102017206963 A 20170425; CN 201880027545 A 20180425; EP 18721331 A 20180425; EP 2018060629 W 20180425; US 201816607473 A 20180425