

Title (en)

POLYAMIDE BLENDS CONTAINING A REINFORCING AGENT FOR LASER SINTERED POWDER

Title (de)

POLYAMIDBLENDEN ENTHALTEND EIN VERSTÄRKUNGSMITTEL FÜR LASERSINTERPULVER

Title (fr)

MÉLANGE POLYAMIDE CONTENANT UN AGENT RENFORÇANT POUR POUDRE POUR FRITTAGE LASER

Publication

**EP 3491067 A1 20190605 (DE)**

Application

**EP 17742261 A 20170721**

Priority

- EP 16181983 A 20160729
- EP 2017068529 W 20170721

Abstract (en)

[origin: WO2018019728A1] The present invention relates to a method for producing a moulded body by selective laser sintering of a sintered powder (SP). The sintered powder (SP) contains at least one partially crystalline polyamide, at least one polyamide 6I/6T and at least one reinforcing agent. The invention also relates to a moulded body obtained according to the claimed method and to the use of polyamide 6I/6T in a sintered powder (SP), which contains at least one partially crystalline polyamide, at least one polyamide 6I/6T and at least one reinforcing agent, for broadening the sintering window (WSp) of the sintered powder (SP).<sb />

IPC 8 full level

**C08L 77/02** (2006.01); **B29C 67/00** (2017.01); **B33Y 10/00** (2015.01); **B33Y 70/00** (2015.01); **B33Y 80/00** (2015.01); **C08L 77/06** (2006.01)

CPC (source: EP KR US)

**B29C 64/153** (2017.07 - EP KR US); **B33Y 10/00** (2014.12 - EP US); **B33Y 70/10** (2020.01 - EP KR US); **B33Y 80/00** (2014.12 - EP US); **C08J 5/04** (2013.01 - KR); **C08J 7/14** (2013.01 - KR); **C08K 7/06** (2013.01 - KR US); **C08K 7/08** (2013.01 - KR US); **C08K 7/10** (2013.01 - US); **C08K 7/14** (2013.01 - KR US); **C08L 77/02** (2013.01 - EP KR US); **C08L 77/06** (2013.01 - KR US); **B29K 2077/00** (2013.01 - KR); **B29K 2077/10** (2013.01 - US); **B29K 2105/0809** (2013.01 - KR); **B33Y 80/00** (2014.12 - KR)

Citation (search report)

See references of WO 2018019728A1

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 2018019728 A1 20180201**; AU 2017303416 A1 20190228; CA 3032194 A1 20180201; CN 109563340 A 20190402; CN 109563340 B 20211224; EP 3491067 A1 20190605; IL 264526 A 20190228; JP 2019527755 A 20191003; JP 7175261 B2 20221118; KR 102383706 B1 20220407; KR 20190039409 A 20190411; MX 2019001265 A 20190701; SG 11201900397P A 20190227; TW 201821535 A 20180616; US 2019160737 A1 20190530

DOCDB simple family (application)

**EP 2017068529 W 20170721**; AU 2017303416 A 20170721; CA 3032194 A 20170721; CN 201780047012 A 20170721; EP 17742261 A 20170721; IL 26452619 A 20190129; JP 2019504889 A 20170721; KR 20197004715 A 20170721; MX 2019001265 A 20170721; SG 11201900397P A 20170721; TW 106124225 A 20170720; US 201716321089 A 20170721