Title (en)

POWDER MIXTURE FOR USE IN THE MANUFACTURE OF A THREE-DIMENSIONAL OBJECT BY MEANS OF AN ADDITIVE MANUFACTURING METHOD

Title (de)

PULVERMISCHUNG ZUR VERWENDUNG IN DER HERSTELLUNG EINES DREIDIMENSIONALEN OBJEKTES DURCH EIN VERFAHREN ZUR GENERATIVEN FERTIGUNG

Title (fr)

MÉLANGE DE POUDRE DESTINÉ À ÊTRE UTILISÉ DANS LA FABRICATION D'UN OBJET TRIDIMENSIONNEL AU MOYEN D'UN PROCÉDÉ DE FABRICATION ADDITIVE

Publication

EP 3463718 A1 20190410 (EN)

Application

EP 17725284 A 20170526

Priority

- EP 16173426 A 20160607
- EP 17159736 A 20170307
- EP 2017062804 W 20170526

Abstract (en)

[origin: WO2017211602A1] Powder mixture for use in the manufacture of a three-dimensional object by means of an additive manufacturing method, wherein the powder mixture comprises a first material and a second material, wherein the first material comprises a steel in powder form, wherein the second material comprises a reinforcement material different from the first material, and wherein the powder mixture is adapted to form a composite object when solidified by means of an electromagnetic and/or particle radiation in the additive manufacturing method.

IPC 8 full level

B22F 1/07 (2022.01); **B22F 1/12** (2022.01); **B22F 3/105** (2006.01); **C22C 33/02** (2006.01)

CPC (source: EP US)

B22F 1/07 (2022.01 - EP US); **B22F 1/12** (2022.01 - EP US); **B22F 10/28** (2021.01 - EP US); **B22F 12/41** (2021.01 - EP US); **C22C 33/0285** (2013.01 - EP US); **C22C 33/0292** (2013.01 - EP US); B22F 10/366 (2021.01 - EP US); B22F 12/49 (2021.01 - EP US); B22F 12/90 (2021.01 - EP US); Y02P 10/25 (2015.11 - EP US)

Citation (examination)

CN 105562690 A 20160511 - YANGJIANG HARDWARE KNIFE SCISSOR IND TECH RES INST, et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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