

Title (en)

USE OF POWDERS OF HIGHLY REFLECTIVE METALS FOR ADDITIVE MANUFACTURE

Title (de)

VERWENDUNG VON PULVERN HOCHREFLEKTIVER METALLE FÜR DIE ADDITIVE FERTIGUNG

Title (fr)

UTILISATION DE POUDRES DE MÉTAUX HAUTEMENT RÉFLÉCHISSANTS POUR LA FABRICATION ADDITIVE

Publication

EP 3823779 A1 20210526 (DE)

Application

EP 19761729 A 20190717

Priority

- EP 18184340 A 20180719
- EP 2019069250 W 20190717

Abstract (en)

[origin: WO2020016301A1] The invention relates to the use of a metal in powder form for additive manufacture of a metal moulded body by laser beam melting, the metal being a metal of group 11 of the Periodic Table of Elements or aluminium or an alloy or intermetallic phase of one of these metals and having an oxygen content of at least 2500 ppm by weight.

IPC 8 full level

B22F 3/105 (2006.01); **B22F 9/08** (2006.01); **B33Y 10/00** (2015.01); **B33Y 70/00** (2020.01); **C22C 1/04** (2006.01); **C22C 32/00** (2006.01); **B22F 1/05** (2022.01)

CPC (source: EP US)

B22F 9/08 (2013.01 - EP US); **B22F 10/28** (2021.01 - EP US); **B22F 10/32** (2021.01 - EP US); **B22F 10/50** (2021.01 - EP US); **B33Y 10/00** (2014.12 - EP US); **B33Y 70/00** (2014.12 - EP); **C22C 1/0416** (2013.01 - EP); **C22C 1/0466** (2013.01 - EP); **C22C 1/047** (2023.01 - EP); **C22C 32/0021** (2013.01 - EP); **C22C 32/0036** (2013.01 - EP); **B22F 1/05** (2022.01 - EP US); **B22F 10/34** (2021.01 - EP US); **B22F 10/36** (2021.01 - EP US); **B22F 12/63** (2021.01 - EP US); **B22F 12/67** (2021.01 - EP US); **B22F 2201/01** (2013.01 - EP); **B22F 2201/03** (2013.01 - EP); **B22F 2201/10** (2013.01 - EP); **B22F 2301/052** (2013.01 - US); **B22F 2301/10** (2013.01 - US); **B22F 2301/255** (2013.01 - US); **B22F 2301/40** (2013.01 - US); **Y02P 10/25** (2015.11 - EP)

Citation (search report)

See references of WO 2020016301A1

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 2020016301 A1 20200123; CN 112423919 A 20210226; EP 3823779 A1 20210526; JP 2021529885 A 20211104; TW 202012645 A 20200401; US 2021291275 A1 20210923

DOCDB simple family (application)

EP 2019069250 W 20190717; CN 201980045956 A 20190717; EP 19761729 A 20190717; JP 2021500605 A 20190717; TW 108125298 A 20190717; US 201917259901 A 20190717