

Title (en)

IRON BASED POWDERS FOR POWDER INJECTION MOLDING

Title (de)

PULVER AUF EISENBASIS FÜR PULVERSPRITZGIESSEN

Title (fr)

POUDRES À BASE DE FER POUR UN MOULAGE PAR INJECTION DE POUDRE

Publication

**EP 3362210 B1 20200506 (EN)**

Application

**EP 16778335 A 20161005**

Priority

- EP 15189896 A 20151015
- EP 2016073721 W 20161005

Abstract (en)

[origin: EP3156155A1] The present invention relates to a feedstock for metal injection molding, comprising a coarse stainless steel powder, having an median particle size of 20-60µm, and 99% of the particles less than 120 µm, wherein the iron-based powder comprises, by weight percent; 15-17%Cr; 3-5% Ni; 3-5%,Cu; 0.15-0.45% Nb; <1.0% Mn; <1.0% Si; less than 0.08% C; and a binder.

IPC 8 full level

**B22F 3/22** (2006.01); **C22C 33/02** (2006.01); **C22C 38/42** (2006.01); **B22F 1/05** (2022.01)

CPC (source: EP US)

**B22F 3/225** (2013.01 - EP US); **C22C 33/0285** (2013.01 - EP); **C22C 38/42** (2013.01 - EP); **B22F 1/05** (2022.01 - EP US)

Cited by

US11939646B2; US12076788B2

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)

**EP 3156155 A1 20170419**; CN 108367356 A 20180803; CN 108367356 B 20201027; DK 3362210 T3 20200803; EP 3362210 A1 20180822; EP 3362210 B1 20200506; ES 2808207 T3 20210225; TW 201728769 A 20170816; TW I714649 B 20210101; WO 2017063923 A1 20170420

DOCDB simple family (application)

**EP 15189896 A 20151015**; CN 201680072717 A 20161005; DK 16778335 T 20161005; EP 16778335 A 20161005; EP 2016073721 W 20161005; ES 16778335 T 20161005; TW 105133219 A 20161014