

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 A1 20180822 (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)

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Citation (search report)

See references of WO 2017063923A1

Cited by

US11939646B2; US12076788B2

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