

Title (en)

MIXED POWDER FOR IRON-BASED POWDER METALLURGY, AND METHOD FOR PRODUCING SAME

Title (de)

PULVERGEMISCH FÜR EISENBASIERTE PULVERMETALLURGIE UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

MÉLANGE DE POUDRES POUR MÉTALLURGIE DES POUDRES À BASE DE FER, ET PROCÉDÉ DE FABRICATION DE CE MÉLANGE DE POUDRES

Publication

EP 3321000 B1 20230215 (EN)

Application

EP 16799746 A 20160427

Priority

- JP 2015107347 A 20150527
- JP 2016063169 W 20160427

Abstract (en)

[origin: EP3321000A1] The mixed powder for iron-based powder metallurgy of the present invention comprises an iron-based powder and a CaS raw material powder containing one or more selected from the group consisting of calcium sulfate anhydrite III, calcium sulfate anhydrite II, calcium sulfate dihydrate, calcium sulfide, and calcium sulfate hemihydrate. The CaS raw material powder is coated with at least one selected from a lubricant and a binder.

IPC 8 full level

B22F 1/10 (2022.01); **B22F 1/12** (2022.01); **C22C 1/05** (2006.01); **C22C 33/02** (2006.01); **B22F 1/102** (2022.01); **B22F 1/16** (2022.01)

CPC (source: EP KR US)

B22F 1/10 (2022.01 - EP KR US); **B22F 1/12** (2022.01 - EP KR US); **B22F 3/10** (2013.01 - KR); **B22F 9/04** (2013.01 - KR); **C22C 1/05** (2013.01 - EP US); **C22C 33/02** (2013.01 - KR US); **C22C 33/0221** (2013.01 - EP US); **B22F 1/102** (2022.01 - EP KR US); **B22F 2302/25** (2013.01 - KR); **B22F 2998/10** (2013.01 - EP US)

Citation (examination)

US 2010116088 A1 20100513 - SATO MASAAKI [JP], et al

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 3321000 A1 20180516; EP 3321000 A4 20180822; EP 3321000 B1 20230215; CN 107614158 A 20180119; CN 107614158 B 20200609; JP 2016222943 A 20161228; JP 6480265 B2 20190306; KR 102102584 B1 20200421; KR 20180008732 A 20180124; US 2018141117 A1 20180524; WO 2016190038 A1 20161201

DOCDB simple family (application)

EP 16799746 A 20160427; CN 201680029964 A 20160427; JP 2015107347 A 20150527; JP 2016063169 W 20160427; KR 20177036353 A 20160427; US 201615572611 A 20160427