

Title (en)

MIXED POWDER FOR IRON-BASED POWDER METALLURGY AND SINTERED BODY PRODUCED USING SAME

Title (de)

PULVERGEMISCH FÜR EISENBASIERTE PULVERMETALLURGIE UND UNTER VERWENDUNG DAVON HERGESTELLTER SINTERKÖRPER

Title (fr)

MÉLANGE DE POUDRES POUR MÉTALLURGIE DES POUDRES À BASE DE FER, CORPS FRITTÉ FABRIQUÉ À L'AIDE DE CELUI-CI

Publication

EP 3305440 A1 20180411 (EN)

Application

EP 16799747 A 20160427

Priority

- JP 2015107346 A 20150527
- JP 2016063170 W 20160427

Abstract (en)

The mixed powder for iron-based powder metallurgy of the present invention comprises: at least one ternary oxide selected from the group consisting of Ca-Al-Si oxides and Ca-Mg-Si oxides, and at least one binary oxide selected from the group consisting of Ca-Al oxides and Ca-Si oxides. The ternary oxide and the binary oxide are contained in a sum weight of 0.025 wt% or more to 0.3 wt% or less.

IPC 8 full level

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

CPC (source: EP KR US)

B22F 1/12 (2022.01 - EP KR US); **B22F 3/10** (2013.01 - KR); **B22F 3/12** (2013.01 - US); **C22C 1/05** (2013.01 - EP US); **C22C 33/02** (2013.01 - KR); **C22C 33/0228** (2013.01 - EP US); **B22F 2302/25** (2013.01 - KR US); **B22F 2998/10** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US); **C22C 1/055** (2013.01 - EP US)

Cited by

KR20180008730A; EP3305439A4

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)

EP 3305440 A1 20180411; **EP 3305440 A4 20180516**; **EP 3305440 B1 20200909**; CN 107614157 A 20180119; CN 107614157 B 20190705; JP 2016222942 A 20161228; JP 6480264 B2 20190306; KR 102060955 B1 20191231; KR 20180008733 A 20180124; KR 20190104455 A 20190909; US 2018126454 A1 20180510; WO 2016190039 A1 20161201

DOCDB simple family (application)

EP 16799747 A 20160427; CN 201680029929 A 20160427; JP 2015107346 A 20150527; JP 2016063170 W 20160427; KR 20177036354 A 20160427; KR 20197025709 A 20160427; US 201615569008 A 20160427