

Title (en)

IRON-BASED MIXED POWDER FOR POWDER METALLURGY

Title (de)

EISENBASIERTES MISCHPULVER FÜR DIE PULVERMETALLURGIE

Title (fr)

MÉLANGE PULVÉRULENT À BASE DE FER POUR MÉTALLURGIE DES POUDRES

Publication

**EP 2446985 B1 20171227 (EN)**

Application

**EP 10792237 A 20100625**

Priority

- JP 2010061297 W 20100625
- JP 2009152593 A 20090626
- JP 2010142355 A 20100623

Abstract (en)

[origin: EP2446985A1] In an iron-based powder, 0.01% to 5.0% by mass of oxide particles having an average size of 0.5 µm or more are contained, whereby the flowability of an iron-based mixed powder is increased and thereby the density of a green compact is increased, and ejection force is greatly reduced after compaction, thereby accomplishing an increase in product quality and a reduction in production cost.

IPC 8 full level

**B22F 1/10** (2022.01); **B22F 1/103** (2022.01); **C22C 1/10** (2006.01); **C22C 33/02** (2006.01)

CPC (source: EP KR US)

**B22F 1/10** (2022.01 - EP KR US); **B22F 1/103** (2022.01 - EP KR US); **C22C 1/10** (2013.01 - EP US); **C22C 33/0207** (2013.01 - EP US); **C22C 33/0228** (2013.01 - EP KR US)

Cited by

US11998977B2

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DOCDB simple family (publication)

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