

Title (en)

IRON-BASED METALLIC GLASS ALLOY POWDER

Title (de)

EISENBASIERTES METALLISCHES GLASLEGIERUNGSPULVER

Title (fr)

POUDRE D'ALLIAGE DE VERRE MÉTALLIQUE À BASE DE FER

Publication

EP 3441160 A4 20191106 (EN)

Application

EP 17779209 A 20170406

Priority

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Abstract (en)

[origin: EP3441160A1] The present invention provides an iron-based metallic glass alloy powder comprising: an iron-based metal element group mainly comprising Fe; a semimetal element group comprising Si, B, P, and C; a small amount of at least one degree-of-supercooling improvement element group selected from the group consisting of Nb and Mo; and optionally a corrosion resistance modification component, wherein the total amount of the semimetal element group and the total amount of the corrosion resistance modification component are set within predetermined ranges, and the iron-based metallic glass alloy powder has a particle size of 30 μm or less.

IPC 8 full level

B22F 1/00 (2022.01); **B22F 1/06** (2022.01); **B22F 1/08** (2022.01); **B22F 1/105** (2022.01); **C22C 33/02** (2006.01); **C22C 45/02** (2006.01); **B22F 9/08** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

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- [X] US 2014102595 A1 20140417 - TAKADATE KINSHIRO [JP], et al
- [A] JP 2013055182 A 20130321 - NEC TOKIN CORP
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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 3441160 A1 20190213; **EP 3441160 A4 20191106**; CN 109070205 A 20181221; JP 6889845 B2 20210618; JP WO2017175831 A1 20190228; KR 102280574 B1 20210723; KR 20180133459 A 20181214; TW 201805447 A 20180216; TW I732849 B 20210711; US 2019119797 A1 20190425; WO 2017175831 A1 20171012

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