

Title (en)

IRON POWDER FOR POWDER METALLURGY

Title (de)

EISENPULVER FÜR DIE PULVERMETALLURGIE

Title (fr)

POUDRE DE FER POUR MÉTALLURGIE DES POUDRES

Publication

EP 3760343 A4 20211124 (EN)

Application

EP 19761704 A 20190219

Priority

- JP 2018034209 A 20180228
- JP 2019006090 W 20190219

Abstract (en)

[origin: EP3760343A1] An iron powder for powder metallurgy according to an embodiment of the present invention comprises: C: less than or equal to 0.005% by mass; Si: less than or equal to 0.030% by mass; P: less than or equal to 0.020% by mass; S: less than or equal to 0.020% by mass; O: less than or equal to 0.15% by mass; Mn, Ni, Mo, and Cr: less than or equal to 3.0% by mass in total; and a balance being Fe and inevitable impurities, wherein a tap density of the iron powder for powder metallurgy is greater than or equal to 3.90 g/cm³ and less than or equal to 4.20 g/cm³.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [I] JP H07126703 A 19950516 - KAWASAKI STEEL CO
- [A] JP H07157803 A 19950620 - KAWASAKI STEEL CO
- [A] JP S4978669 A 19740729
- See references of WO 2019167722A1

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 3760343 A1 20210106; **EP 3760343 A4 20211124**; CN 111741822 A 20201002; CN 111741822 B 20220603; JP 2019147997 A 20190905; JP 7057156 B2 20220419; KR 102507938 B1 20230308; KR 20200121858 A 20201026; WO 2019167722 A1 20190906

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EP 19761704 A 20190219; CN 201980014359 A 20190219; JP 2018034209 A 20180228; JP 2019006090 W 20190219; KR 20207026943 A 20190219