

Title (en)

Thermal spraying powder, thermal spraying method and method for forming thermal spray coating

Title (de)

Thermisches Sprühpulver, thermisches Sprühverfahren und Verfahren zum Herstellen einer Beschichtung mittels einem thermischen Spritzverfahren.

Title (fr)

Poudre pour pulvérisation thermique, méthode de pulvérisation thermique et méthode de fabrication d'un revêtement pour pulvérisation thermique.

Publication

**EP 1647610 A3 20060823 (EN)**

Application

**EP 05256344 A 20051012**

Priority

JP 2004300874 A 20041015

Abstract (en)

[origin: EP1647610A2] A thermal spraying powder contains a chromium-iron based alloy powder that includes carbon. The ratio of the mass of carbon in the alloy powder to the total mass of chromium and iron in the alloy powder is 2% or more. 10% particle size D 10 of the alloy powder is preferably 10 µm or more, and more preferably 15 µm or more. 50% particle size D 50 of the alloy powder is preferably 20 µm or more. The thermal spraying powder is suitable for use in forming a thermal spray coating through high-velocity flame spraying.

IPC 8 full level

**C23C 4/04** (2006.01); **C23C 4/06** (2016.01)

CPC (source: EP KR US)

**C23C 4/04** (2013.01 - EP KR US); **C23C 4/06** (2013.01 - KR); **C23C 4/067** (2016.01 - EP US)

Citation (search report)

- [A] EP 0608468 A1 19940803 - LINDE AG [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 006, no. 227 (C - 134) 12 November 1982 (1982-11-12)
- [XA] PATENT ABSTRACTS OF JAPAN vol. 010, no. 230 (C - 365) 9 August 1986 (1986-08-09)
- [X] PATENT ABSTRACTS OF JAPAN vol. 010, no. 139 (C - 348) 22 May 1986 (1986-05-22)

Cited by

CN103088281A; CN108396317A; EP2737101B1

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