

Title (en)

Spray powder for manufacturing by thermal spraying of a thermal barrier coating being stable at high temperatures

Title (de)

Spritzpulver für die Herstellung einer bei hohen Temperaturen beständigen Wärmedämmschicht mittels einem thermischen Spritzverfahren

Title (fr)

Poudre de pulvérisation pour la fabrication par pulvérisation thermique d'un revêtement de barrière thermique résistant à haute température

Publication

EP 1422308 B1 20080326 (DE)

Application

EP 03405765 A 20031024

Priority

- EP 03405765 A 20031024
- EP 02406010 A 20021122

Abstract (en)

[origin: EP1422308A1] Spray powder comprises particles forming an agglomerate-like micro-structure (2) formed by a number of adhering grains (3). The grains consist of functional materials. An additive (4) is formed on the surfaces (30) of the functional material grains in the boundary zones (5). The additive exerts a limiting or biding action. Independent claims are also included for: (a) process for the production of a spray powder; and (b) coated substrate having a thermal barrier coating.

IPC 8 full level

C23C 4/10 (2006.01); **C23C 28/00** (2006.01)

CPC (source: EP)

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Cited by

EP1980645A1; CN111777413A; CN114041693A; WO2008125606A1

Designated contracting state (EPC)

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