

Title (en)

Powder of plastic and treated mineral.

Title (de)

Pulver aus Kunststoff und behandeltem Mineral.

Title (fr)

Poudre de plastic et de minéraux traités.

Publication

**EP 0379995 A1 19900801 (EN)**

Application

**EP 90101100 A 19900119**

Priority

US 30264489 A 19890126

Abstract (en)

A thermal spray powder is formed of a blend of particles of a polymeric powder and a mineral wherein the mineral particles, and preferably also the polymeric particles, each have a coating layer thereon approximately one monolayer thick. The layer is an organofunctional silane which includes an organofunctional group such as an amino propyltriethoxy. The silane is formed from a precursor silane having a hydrolyzable group bondable to the mineral constituent upon hydrolyzing of the hydrolyzable group. Desirably the mineral is silicon aluminum alloy and the polymeric powder is a poly(para-oxybenzoyl)ester.

IPC 1-7

**C23C 4/04**

IPC 8 full level

**B22F 1/02** (2006.01); **B22F 1/102** (2022.01); **C23C 4/04** (2006.01)

CPC (source: EP US)

**B22F 1/102** (2022.01 - EP US); **C23C 4/04** (2013.01 - EP US)

Citation (search report)

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- [A] GB 1305778 A 19730207
- [A] PATENT ABSTRACTS OF JAPAN, vol. 8, no. 116 (M-299)[1553], 30th May 1984; & JP-A-59 23 801 (CHISSO K.K.) 07-02-1984
- [A] PATENT ABSTRACTS OF JAPAN, vol. 2, no. 74 (C-273)[1797], 3rd April 1985; & JP-A-59 208 064 (MITSUBISHI DENKI K.K.) 26-11-1984

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