

Title (en)

Shot material for mechanical plating, and high corrosion resistant coating using the same

Title (de)

Bestrahlungspulver zum mechanischen Beschichten und korrosionsfeste Beschichtung

Title (fr)

Poudre de projection pour le revêtement mécanique et revêtement résistant à la corrosion l'utilisant

Publication

EP 1726684 B8 20090923 (EN)

Application

EP 06010413 A 20060519

Priority

JP 2005149160 A 20050523

Abstract (en)

[origin: EP1726684A2] Shot material for mechanical plating is provided, comprising steel core particles clad with an alloy comprising 1 to 5% by weight of aluminum, 3 to 15% by weight of magnesium, preferably 5 to 15% by weight of magnesium, and the balance of zinc and unavoidable impurities. The alloy may contain a total of 1% by weight of impurities. An Fe-Zn alloy layer may be provided between the alloy cladding and the steel core. The shot material may contain 3 to 80% by weight of iron. The preferable average diameter of the shot particles is 100 to 600 µm.

IPC 8 full level

C23C 24/04 (2006.01)

CPC (source: EP KR US)

B22F 1/16 (2022.01 - KR); **B24C 11/00** (2013.01 - KR); **C23C 24/04** (2013.01 - EP US); **Y10T 428/12181** (2015.01 - EP US); **Y10T 428/12799** (2015.01 - EP US)

Cited by

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EP 1726684 A2 20061129; **EP 1726684 A3 20070711**; **EP 1726684 B1 20090812**; **EP 1726684 B8 20090923**; AT E439459 T1 20090815; CN 100595331 C 20100324; CN 1869283 A 20061129; DE 602006008381 D1 20090924; ES 2328388 T3 20091112; HK 1098515 A1 20070720; JP 2006328434 A 20061207; JP 5007424 B2 20120822; KR 100923651 B1 20091028; KR 101188120 B1 20121009; KR 20060121716 A 20061129; KR 20090069152 A 20090629; US 2006263622 A1 20061123

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