

Title (en)
THERMO-MECHANICAL FATIGUE RESISTANT ALUMINUM ABRADABLE COATING

Title (de)
THERMOMECHANISCHE, ERMÜDUNGSBESTÄNDIGE UND ABREIBBARE ALUMINIUMBESCHICHTUNG

Title (fr)
REVÊTEMENT ABRADABLE EN ALUMINIUM RÉSISTANT À LA FATIGUE THERMOMÉCANIQUE

Publication
EP 2964808 B1 20190501 (EN)

Application
EP 13877283 A 20131230

Priority
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• US 2013078183 W 20131230

Abstract (en)
[origin: WO2014137464A1] An aluminum coating to be deposited on a substrate having a first coefficient of thermal expansion has an aluminum matrix, and particles of a material having a low coefficient of thermal expansion incorporated into the matrix. The particles bond sufficiently well to the aluminum matrix to carry a portion of the mechanical load.

IPC 8 full level
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CPC (source: EP US)
B22F 9/082 (2013.01 - EP US); **C22C 1/0416** (2013.01 - EP US); **C22C 1/1042** (2013.01 - EP US); **C22C 21/00** (2013.01 - EP US); **C22C 32/0047** (2013.01 - US); **C22C 32/0073** (2013.01 - US); **C23C 4/06** (2013.01 - EP US); **C23C 4/18** (2013.01 - EP US)

Designated contracting state (EPC)
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US 2013078183 W 20131230; EP 13877283 A 20131230; US 201314772105 A 20131230