

Title (en)

Pre-oxidation of alloy powder coatings.

Title (de)

Voroxydation von Legierungspulvern zum Beschichten.

Title (fr)

Préoxydation de poudres d'un alliage pour revêtements.

Publication

EP 0546756 A2 19930616 (EN)

Application

EP 92310956 A 19921201

Priority

US 80598791 A 19911212

Abstract (en)

Corrosion- and erosion-resistant coatings are thermal spray deposited onto metallic substrates, especially Co- and Ni-containing alloys, by thermal spray depositing metal particles partially pre-oxidized prior to application the metal substrate to be protected. Coatings rich in desired protective oxide and reduced non-protective, voluminous oxides result.

IPC 1-7

C23C 4/06; **C23C 4/12**; **C23C 24/08**

IPC 8 full level

C23C 4/10 (2006.01); **C23C 4/06** (2006.01); **C23C 4/12** (2006.01); **C23C 24/08** (2006.01)

CPC (source: EP KR)

B22F 3/00 (2013.01 - KR); **C23C 4/06** (2013.01 - EP); **C23C 4/12** (2013.01 - EP); **C23C 24/08** (2013.01 - EP)

Cited by

GB2426010B; US9737964B2; US6723176B2; WO2011103589A3; WO0127349A3; US9279181B2; US10190215B2; US10829853B2

Designated contracting state (EPC)

CH DE FR GB IT LI NL SE

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DOCDB simple family (application)

EP 92310956 A 19921201; CN 92114372 A 19921212; JP 32832892 A 19921209; KR 920023935 A 19921211; NO 924796 A 19921211