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Pre-oxidation of alloy powder coatings.

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.



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 92 31 0956

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	GB-A-2 069 009 (BULTEN-KANTHAL AB.) * claims *	1-10	C23C4/06 C23C4/12 C23C24/08 C23C4/10
A	US-A-4 707 379 (NEUFUSS ET AL.) * claims *	1-4, 10	
A	PATENT ABSTRACTS OF JAPAN vol. 14, no. 134 (C-701)(4077) 14 March 1990 & JP-A-20 08 359 (KUBOTA LTD) 11 January 1990 * abstract *	1	
A	FR-A-2 229 785 (ASAHI GLASS COMPANY LTD.) * page 2, line 33 - page 3, line 6 * * claims *	1, 2	
A	DE-A-2 740 398 (UNION CARBIDE CORP.)		
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C23C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 08 SEPTEMBER 1993	Examiner KAUMANN E.K-H.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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