



EUROPEAN PATENT APPLICATION

Application number : **91830288.6**

Int. Cl.⁵ : **C25D 11/38**

Date of filing : **27.06.91**

Priority : **17.07.90 IT 4814990**

Date of publication of application :
22.01.92 Bulletin 92/04

Designated Contracting States :
AT BE CH DE DK ES FR GB GR LI LU NL SE

Date of deferred publication of search report :
24.02.93 Bulletin 93/08

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Improvement for processes for continuous coating of metal surfaces with chromium metal and chromium oxide.

The processes for coating metal surfaces with chromium metal and chromium oxide (Cr-CrOx) are improved by introducing a pretreatment consisting in at least one anodic pulse of brief duration applied to the metallic body to be coated immersed in the same chroming solution immediately prior to Cr-CrOx deposition.

In this way it is possible to perform this type of coating also on surfaces consisting of aluminium or alloys thereof, which has hitherto been impossible. Moreover the improvement ensures uniform adherent coatings which provide a firm anchor for subsequent painting. Finally there is a marked upgrading in resistance to corrosion, especially that of the cosmetic type.



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 91 83 0288

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	EP-A-0 250 792 (NIPPON STEEL) Abstract * page 1, line 46 - page 5, line 4; claims 1,5,6 *	1	C25D11/38
X	GB-A-1 221 677 (C. G. MATTHEWS ET AL) * page 1, line 61 - page 2, line 11 *	1	
X	EP-A-0 332 872 (NKK) * claim 1; examples 5-7 *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C25D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 DECEMBER 1992	Examiner R. E. Goovaerts
<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>			

EPO FORM 1503 03.92 (P0401)