

Title (en)  
PROCESS FOR COATING METAL SURFACES WITH ORGANIC LAYERS

Publication  
**EP 0222282 A3 19870819 (DE)**

Application  
**EP 86115172 A 19861101**

Priority  
US 79482185 A 19851104

Abstract (en)  
[origin: EP0222282A2] Corrosion resistance and paint adhesion of a metal surface are improved by forming on the surface an aqueous film of an aqueous acidic composition comprising chromium ions of which at least a portion are hexavalent, zinc ions and fluoride ions, drying this film on to the surface to form a chromium-containing coating and then applying paint directly on to the dried coating, without the necessity of first rinsing the resultant chemical conversion coating with a chromium-containing rinse solution or other rinse solution. A preferred aqueous acidic composition comprises 0.5g/l to saturation of chromium, at least 50% of the chromium being present as Cr<VI>, 0.1-10g/l of zinc, and 0.1-10g/l of fluoride, the composition having a pH of 2-4.5.

IPC 1-7  
**C23C 22/24**; **C23C 22/30**; **C23C 22/37**

IPC 8 full level  
**C23C 22/37** (2006.01)

CPC (source: EP)  
**C23C 22/37** (2013.01)

Citation (search report)

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- [A] FR 2561668 A1 19850927 - DACRAL SA [FR]
- [AP] PATENT ABSTRACTS OF JAPAN, unexamined applications, Feld C, Band 10, Nr. 4, 9.Janner 1986 THE PATENT OFFICE JAPANESE GOVERNMENT Seite 19 C 322 \* JP - A - 60-162 781 ( NITSUSHIN SEIKOU K.K. ) ( 24-08-85 ) \*
- [AP] PATENT ABSTRACTS OF JAPAN, unexamined applications, Feld C, Band 9, Nr. 283, 9. November 1985 THE PATENT OFFICE JAPANESE GOVERNMENT Seite 103 C 313 \* JP - A - 60-128 268 ( KAWASAKI SEITETSU K.K. ) ( 09-07-85 ) \*

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**EP 0222282 A2 19870520**; **EP 0222282 A3 19870819**; DE 3637254 A1 19870521; GB 2183680 A 19870610; GB 8626306 D0 19861203

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