

Title (en)  
COMPOSITE ELECTRODEPOSITED COATING AND METHOD OF FORMING THE SAME

Publication  
**EP 0055272 B1 19851127 (EN)**

Application  
**EP 81901799 A 19810702**

Priority  
GB 8021614 A 19800702

Abstract (en)  
[origin: WO8200162A1] A composite electrodeposited coating and a method of forming such a coating. The coating comprises a metal matrix deposited from a plating bath and incorporates particles which are insoluble in the bath. The particles include a chromium-containing substance, an aluminium-containing substance, and an oxide of a rare earth metal, a metal from group IV of the Periodic Table or aluminium oxide. Such a coating is highly resistant to oxidation and/or corrosion for example in jet or rocket engines and is capable of withstanding thermal cycling under such conditions.

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IPC 8 full level  
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**WO 8200162 A1 19820121**; BE 889491 A 19820104; CA 1176596 A 19841023; EP 0055272 A1 19820707; EP 0055272 B1 19851127; GB 2083076 A 19820317; GB 2083076 B 19840613; IT 1171356 B 19870610; IT 8148809 A0 19810702; JP H01212800 A 19890825; JP H0260760 B2 19901218; JP S57500882 A 19820520; JP S643960 B2 19890124

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**GB 8100124 W 19810702**; BE 205298 A 19810702; CA 381000 A 19810702; EP 81901799 A 19810702; GB 8021614 A 19800702; IT 4880981 A 19810702; JP 13539788 A 19880601; JP 50222081 A 19810702