

Title (en)
Method of producing conversion coatings.

Title (de)
Verfahren zur Herstellung von Konversionsschichten.

Title (fr)
Procédé pour former des couches de conversion.

Publication
EP 0034040 A1 19810819 (EN)

Application
EP 81300467 A 19810204

Priority
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Abstract (en)
Corrosion resistant conversion coatings can be deposited on a metal, especially, zinc, tin, cadmium, iron, steel, magnesium, copper, nickel, silver or aluminium or their alloys, substrate by contacting the substrate with an aqueous solution containing Fe<II>, Fe<III>, Ni<II> or especially Cr<III> ions and an oxidizing agent. The solution is either dilute, less than 0.1 M, in respect of the ions and/or contains a weak complexing agent for the ions. Especially good corrosion resistance notably on Zn e.g. galvanized steel, substrates is obtained by including boric acid in the solution. The coatings are preferably baked to age them and may subsequently be lacquered, painted or laminated to plastics materials.

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IPC 8 full level
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Citation (search report)
US 3468724 A 19690923 - REINHOLD EARL R

Cited by
US6946201B2; US4569699A; EP1318212A1; EP1571238A1; KR100715420B1; EP0396238A1; DE19615664A1; EP0456834A4; US6096140A; EP0839931A3; EP0922785A3; FR2504156A1; DE4135524A1; US5525431A; GB2188946A; GB2188946B; US5861218A; EP0363536A1; EP0171043A3; DE3429532A1; EP0738790A4; DE3423990A1; FR2549498A1; GB2144773A; US7314671B1; USRE38285E; WO9740208A1; WO2007123807A3; US6287704B1

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