

Title (en)

TWO-STEP CHEMICAL/ELECTROCHEMICAL PROCESS FOR COATING MAGNESIUM.

Title (de)

ZWEISTUFIGES CHEMISCHES BZW ELEKTROCHEMISCHES VERFAHREN ZUR BESCHICHTUNG VON MAGNESIUM.

Title (fr)

PROCEDE CHIMIQUE/ELECTROCHIMIQUE A DEUX ETAPES D'APPLICATION D'UN REVETEMENT SUR DU MAGNESIUM.

Publication

EP 0573585 B1 19941214

Application

EP 92907909 A 19920225

Priority

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- US 66150391 A 19910226

Abstract (en)

[origin: WO9214868A1] A two-step process for coating magnesium and its alloys is disclosed. The first step comprises immersing the magnesium in an aqueous solution comprising about 0.2 to 5 molar ammonium fluoride at a temperature of about 40 to 100 DEG C. The second step is an electrochemical treatment in an aqueous electrolytic solution having a pH of at least about 12.5 and which solution comprises about 2 to 12 g/L of a soluble hydroxide, about 2 to 15 g/L of a fluoride-containing composition, and about 5 to 30 g/L of an alkali metal silicate.

IPC 1-7

C25D 11/30

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