

Title (en)

Corrosion resistant coated aluminium articles and process for making same.

Title (de)

Korrosionsfeste beschichtete Aluminiumgegenstände und Verfahren zu deren Herstellung.

Title (fr)

Articles en aluminium revêtus, résistants à la corrosion et procédé pour leur fabrication.

Publication

EP 0419032 A2 19910327 (EN)

Application

EP 90309006 A 19900816

Priority

US 40936489 A 19890919

Abstract (en)

Aluminium and aluminium alloy articles, and method for making same, in which a thin, adherent, chemically formed coating is provided on the article surface to preserve the uncoated article appearance and provide a combination of functional properties including resistance to chipping and flaking during elevated temperature use, resistance to corrosion from chemicals in the form of gases or aqueous acidic or alkaline solutions including salt spray, organic solvents, oils and vehicle fuels and suitability as a base for paint for parts within the engine compartment of vehicles. The coating has a chemical complex of alkali metal-chromium-silicates.

IPC 1-7

C23C 22/37; **C23C 22/83**

IPC 8 full level

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