

Title (en)

METHOD OF IMPROVING THE CORROSION RESISTANCE OF CHEMICAL CONVERSION COATED ALUMINUM

Publication

EP 0064295 B1 19851121 (EN)

Application

EP 82103813 A 19820504

Priority

US 26037081 A 19810504

Abstract (en)

[origin: EP0064295A1] A method for treating aluminum prior to applying a chemical conversion coating for improving its corrosion resistance especially when rigid requirements need to be met. The aluminum is alkaline cleaned and deoxidized, preferably with a non-chromated deoxidizer. A supplementary treatment consists of immersing the deoxidized aluminum in a potassium or sodium nitrite solution. The aluminum is then coated with a standard chemical conversion coating, and dried at a temperature between 110 DEG F and 130 DEG F. The resulting product is able to pass salt spray test requirements as outlined in the military specification.

IPC 1-7

C23F 11/00; C23F 17/00; C23F 1/00; C23F 1/20; C23G 1/12

IPC 8 full level

C23C 22/78 (2006.01)

CPC (source: EP)

C23C 22/78 (2013.01)

Cited by

EP0230903A3; EP0156853A4

Designated contracting state (EPC)

DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0064295 A1 19821110; **EP 0064295 B1 19851121**; DE 3267535 D1 19860102

DOCDB simple family (application)

EP 82103813 A 19820504; DE 3267535 T 19820504