

Title (en)

A method for making a protective coating on a metal substrate

Title (de)

Verfahren zur Herstellung einer Schutzbeschichtung auf einem Metallsubstrat

Title (fr)

Procédé de fabrication d'un revêtement protecteur sur un substrat métallique

Publication

EP 2330233 A1 20110608 (EN)

Application

EP 09425494 A 20091201

Priority

EP 09425494 A 20091201

Abstract (en)

The method for making a protective coating on a metal substrate including nickel atoms comprises the steps of : electro-chemical deposition of an aluminum layer on the substrate using a bath consisting of a ionic liquid comprising a chloroaluminate anion and an organic cation, and vacuum heating of said substrate on which the aluminum layer has been deposited, such that nickel atoms migrate from the substrate to the aluminum layer, with the formation of a nickel-aluminum alloy-based protective coating.

IPC 8 full level

C25D 3/66 (2006.01); **C25D 5/48** (2006.01); **F02C 7/00** (2006.01)

CPC (source: EP)

C25D 3/665 (2013.01); **C25D 5/48** (2013.01); **F01D 5/288** (2013.01); **F05D 2230/31** (2013.01); **F05D 2230/90** (2013.01); **F05D 2300/121** (2013.01)

Citation (search report)

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