

Title (en)  
ALUMINIUM ORGANIC ELECTROLYTES AND METHOD FOR ELECTROLYTIC COATING WITH ALUMINIUM OR ALUMINIUM-MAGNESIUM-ALLOYS

Title (de)  
ALUMINIUMORGANISCHE ELEKTROLYTE UND VERFAHREN ZUR ELEKTROLYTISCHEN BESCHICHTUNG MIT ALUMINIUM ODER ALUMINIUM-MAGNESIUM-LEGIERUNGEN

Title (fr)  
ELECTROLYTE ORGANIQUE D'ALUMINIUM ET PROCEDE DE REVETEMENT ELECTROLYTIQUE AVEC DE L'ALUMINIUM OU DES ALLIAGES ALUMINIUM-MAGNESIUM

Publication  
**EP 1141447 A2 20011010 (DE)**

Application  
**EP 99962174 A 19991127**

Priority  
• DE 19855666 A 19981201  
• EP 9909236 W 19991127

Abstract (en)  
[origin: US6652730B1] Organoaluminum electrolytes and methods for the coating of electrically conductive materials with aluminum or aluminum-magnesium alloys, essentially and preferably consisting of Na[Et<sub>3</sub>Al-H-AlEt<sub>3</sub>] for aluminum coating, or of either K[AlEt<sub>4</sub>] or Na[Et<sub>3</sub>Al-H-AlEt<sub>3</sub>] and Na[AlEt<sub>4</sub>] and trialkylaluminum for alloy coating using solutions of these electrolytes in liquid aromatic hydrocarbons or mixtures thereof with aliphatic mono- or polybasic ethers, such as dimethoxyethane, and using soluble anodes of aluminum or of aluminum and magnesium, or of aluminum-magnesium alloy.

IPC 1-7  
**C25D 3/44**; **C25D 3/56**

IPC 8 full level  
**C25D 3/66** (2006.01); **C25D 3/44** (2006.01); **C25D 3/56** (2006.01)

CPC (source: EP US)  
**C25D 3/44** (2013.01 - EP US)

Citation (search report)  
See references of WO 0032847A2

Cited by  
US6734317B2; DE102008051883A1; US10835973B2; US11958122B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**US 6652730 B1 20031125**; AT E220129 T1 20020715; CA 2352800 A1 20000608; DE 19855666 A1 20000608; DE 59901980 D1 20020808; EP 1141447 A2 20011010; EP 1141447 B1 20020703; JP 2002531698 A 20020924; WO 0032847 A2 20000608; WO 0032847 A3 20001116

DOCDB simple family (application)  
**US 85701301 A 20010530**; AT 99962174 T 19991127; CA 2352800 A 19991127; DE 19855666 A 19981201; DE 59901980 T 19991127; EP 9909236 W 19991127; EP 99962174 A 19991127; JP 2000585475 A 19991127