

Title (en)

PROCESS FOR DEPOSING LAYERS OF OR CONTAINING LEAD, ELECTROLYTE FOR CARRYING OUT THE PROCESS AND USE OF TENSIDES IN ACIDIC LEAD ELECTROLYTES

Title (de)

VERFAHREN ZUR ABSCHIEDUNG VON BLEI- UND BLEIHALTIGEN SCHICHTEN, ELEKTROLYTE ZUR DURCHFÜHRUNG DES VERFAHRENS SOWIE VERWENDUNG VON TENSIDEN IN SAUREN BLEI-ELEKTROLYTEN

Title (fr)

PROCEDE POUR DEPOSER DES COUCHES DE PLOMB OU CONTENANT DU PLOMB, ELECTROLYTE POUR LA MISE EN OEUVRE DU PROCEDE ET EMPLOI DE TENSIO-ACTIFS DANS DES ELECTROLYTES ACIDES AU PLOMB

Publication

EP 0607119 B1 19980128 (DE)

Application

EP 90914695 A 19901005

Priority

- DE 3934866 A 19891019
- EP 9001670 W 19901005

Abstract (en)

[origin: WO9105890A1] In a process for acidic, electrolytic deposition of layers consisting entirely or predominantly of lead on surfaces by means of an electrolyte which contains lead salts and acids, in particular alkane sulphonic acid, fluoboric acid or fluosilicic acid, non-ionic tensides and cationic or ampholytic tensides are added to the electrolyte. The process can be carried out at current densities of 0.5 to 20 A/dm² and a pH less than 1.

IPC 1-7

C25D 3/36; **C25D 3/56**

IPC 8 full level

C25D 3/36 (2006.01); **C25D 3/56** (2006.01)

CPC (source: EP US)

C25D 3/36 (2013.01 - EP US); **C25D 3/56** (2013.01 - EP US)

Designated contracting state (EPC)

AT DE ES FR GB IT SE

DOCDB simple family (publication)

WO 9105890 A1 19910502; AT E162856 T1 19980215; DE 3934866 A1 19910425; DE 3934866 C2 19930304; DE 59010802 D1 19980305; EP 0607119 A1 19940727; EP 0607119 B1 19980128; ES 2113350 T3 19980501; JP H05502475 A 19930428; KR 0185204 B1 19990501; KR 927003882 A 19921218; US 5443714 A 19950822

DOCDB simple family (application)

EP 9001670 W 19901005; AT 90914695 T 19901005; DE 3934866 A 19891019; DE 59010802 T 19901005; EP 90914695 A 19901005; ES 90914695 T 19901005; JP 51361090 A 19901005; KR 920700882 A 19920416; US 84895292 A 19920529