

Title (en)
ELECTRODEPOSITION DEVICE, PARTICULARLY FOR ALUMINIUM

Publication
EP 0251272 B1 19890621 (DE)

Application
EP 87109321 A 19870629

Priority
DE 3622554 A 19860704

Abstract (en)
[origin: US4759831A] An electroplating apparatus having electroplating tank which is closable air-tight and charged with an inert gas above the electrolyte and also includes one vacuum lock for charging and discharging goods to be electroplated. The lock chamber of the vacuum lock is equipped with an inner lock door and an outer lock door and is preferably evacuated with the assistance of a vacuum pump so that solvent vapors can be condensed during evacuation in a condenser. The apparatus increases the useful life of the electrolyte, particularly an aprotic, aluminum-organic electrolyte which is used in aluminum plating in comparison to previously known locks which use gas and liquid locks.

IPC 1-7
C25D 3/44; **C25D 17/00**

IPC 8 full level
C25D 3/44 (2006.01); **C25D 3/66** (2006.01); **C25D 17/00** (2006.01); **C25D 21/11** (2006.01)

CPC (source: EP US)
C25D 17/004 (2013.01 - EP US); **C25D 21/04** (2013.01 - EP US); **C25D 3/44** (2013.01 - EP US); **C25D 21/08** (2013.01 - EP US)

Cited by
DE102009060676A1; CN102687602A; DE102009060676B4

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0251272 A1 19880107; **EP 0251272 B1 19890621**; AT E44166 T1 19890715; CA 1297836 C 19920324; DE 3760265 D1 19890727; DK 168304 B1 19940307; DK 339487 A 19880105; DK 339487 D0 19870702; ES 2009823 B3 19891016; JP H0686675 B2 19941102; JP S6326399 A 19880203; NO 173619 B 19930927; NO 173619 C 19940105; NO 872804 D0 19870703; NO 872804 L 19880105; US 4759831 A 19880726

DOCDB simple family (application)
EP 87109321 A 19870629; AT 87109321 T 19870629; CA 541104 A 19870702; DE 3760265 T 19870629; DK 339487 A 19870702; ES 87109321 T 19870629; JP 16514087 A 19870629; NO 872804 A 19870703; US 3326387 A 19870402