

Title (en)

Device for treating a metal in an electrolytic bath and process for reducing aerosol emission

Title (de)

Vorrichtung zum Behandeln eines Metalls in einem Elektrolytbad und Verfahren zum Verringern einer Aerosolabgabe

Title (fr)

Dispositif de traitement d'un métal dans un bain électrolytique et procédé de réduction de dégagements d'aérosols

Publication

EP 1722012 A1 20061115 (DE)

Application

EP 06009037 A 20060502

Priority

- DE 102005022500 A 20050511
- DE 102005038970 A 20050816

Abstract (en)

An apparatus for the electrolytic treatment of a metal in an electrolyte (2) bath (1) as in the eloxidation of aluminum and having a cathode (5) and anode (13) comprises agglomerating primary gas bubbles generated during the electrolysis. Independent claims are also included for the following: (A) a device as above to separate hydrogen formed from the bath acid; (B) a device as above comprising a collection chamber for an aerosol, especially of hydrogen arising at the cathode; and (C) a process using the above devices.

IPC 8 full level

C25C 7/00 (2006.01)

CPC (source: EP)

C25C 7/00 (2013.01); **C25D 5/003** (2013.01); **C25D 11/005** (2013.01); **C25D 11/04** (2013.01); **C25D 21/04** (2013.01)

Citation (search report)

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- [XAY] US 6120658 A 20000919 - DUNN GRENVIL M [ZA], et al
- [A] FR 1022112 A 19530227 - CIBA GEIGY
- [A] FR 973536 A 19510212
- [XA] PATENT ABSTRACTS OF JAPAN vol. 006, no. 114 (C - 110) 25 June 1982 (1982-06-25)

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WO2009124410A1; WO2014060333A1

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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