

Title (en)

ELECTRODE FOR AN ELECTROLYTIC CELL, USE THEREOF AND METHOD USING SAME

Title (de)

ELEKTRODE FÜR EINE ELEKTROLYTISCHE ZELLE, DEREN GEBRAUCH UND VERFAHREN

Title (fr)

ELECTRODE POUR CELLULE ELECTROLYTIQUE, SON UTILISATION ET PROCEDE L'UTILISANT

Publication

EP 0580730 B2 19990609 (FR)

Application

EP 92910109 A 19920527

Priority

- BE 9100033 W 19910530
- BE 9200022 W 19920527
- DE 4122543 A 19910708

Abstract (en)

[origin: US5639360A] PCT No. PCT/BE92/00022 Sec. 371 Date Feb. 23, 1994 Sec. 102(e) Date Feb. 23, 1994 PCT Filed May 27, 1992 PCT Pub. No. WO92/21794 PCT Pub. Date Dec. 10, 1992The present invention relates to an electrode preferably an insoluble electrode for an electrolytic cell. The electrode is located within an enclosure defining a chamber, a wall of said enclosure being formed by a membrane allowing ions to pass therethrough. The enclosure has an opening for feeding electrolyte, an opening for evacuating electrolyte and means conducting the upward current of electrolyte with a velocity in the vicinity of the electrode of at least 0.01 m/s. The invention relates also to plants and processes using such electrode for the plating or deplating of metal strips.

IPC 1-7

C25D 7/06; **C25D 5/08**; **C25D 17/12**

IPC 8 full level

C25D 5/08 (2006.01); **C25D 5/10** (2006.01); **C25D 5/26** (2006.01); **C25D 7/06** (2006.01); **C25D 17/00** (2006.01); **C25D 17/12** (2006.01); **C25F 5/00** (2006.01); **C25F 7/00** (2006.01)

CPC (source: EP US)

C25D 5/10 (2013.01 - EP US); **C25D 5/605** (2020.08 - EP US); **C25D 7/065** (2013.01 - EP US); **C25F 5/00** (2013.01 - EP US)

Citation (opposition)

Opponent :

- EP 0412600 A1 19910213 - SOLVAY [BE]
- US 4138295 A 19790206 - DENORA VITTORIO, et al
- DD 144427 A1 19801015 - MATSCHINER HERMANN, et al
- EP 0052332 A1 19820526 - ASAHI GLASS CO LTD [JP]
- EP 0050373 A1 19820428 - ORONZIO DE NORA IMPIANTI [CH]

Designated contracting state (EPC)

AT BE DE ES FR GB IT LU NL

DOCDB simple family (publication)

US 5639360 A 19970617; AT E125310 T1 19950815; AU 1749892 A 19930108; CA 2109708 A1 19921210; CA 2109708 C 19990928; DE 69203600 D1 19950824; DE 69203600 T2 19960328; DE 69203600 T3 20000105; EP 0580730 A1 19940202; EP 0580730 B1 19950719; EP 0580730 B2 19990609; ES 2076034 T3 19951016; ES 2076034 T5 19991001; JP 3267970 B2 20020325; JP H06507448 A 19940825; KR 100257807 B1 20000601; WO 9221794 A2 19921210; WO 9221794 A3 19930204

DOCDB simple family (application)

US 15701794 A 19940223; AT 92910109 T 19920527; AU 1749892 A 19920527; BE 9200022 W 19920527; CA 2109708 A 19920527; DE 69203600 T 19920527; EP 92910109 A 19920527; ES 92910109 T 19920527; JP 50912092 A 19920527; KR 930703592 A 19931125