Title (en)

ELECTROLYSIS SYSTEM

Title (de)

ELEKTROLYSESYSTEM

Title (fr)

SYSTÈME D'ÉLECTROLYSE

Publication

EP 2210969 A4 20101222 (EN)

Application

EP 08844890 A 20081027

Priority

- JP 2008003048 W 20081027
- JP 2007281224 A 20071030

Abstract (en)

[origin: EP2210969A1] An electrolysis apparatus is disclosed as including an electrolysis cell (10) accommodating therein electrolyte (70), a heating section (20) located around the electrolysis cell to heat the electrolysis cell, an electrode section (30) having an electrode unit (30a) immersed in the electrolyte and a power-conducting electrode portion (30b) supporting the electrode unit to apply the electrode unit with electric power, a lid body (45) defining a space region (40) in an area above the electrolysis cell, an exhaust section (50) located in the lid body to allow the space region to communicate with an outside for exhausting by-product gas, resulting from electrolysis of the electrolyte, from the space region to the outside, and an evaporation restraining member (60, 80, 80A, 80B, 90, 90A, 90B) floating on a liquid surface of the electrolyte so as to cover the liquid surface of the electrolyte for permitting by-product gas, resulting from electrolysis of the electrolyte, to escape to the space region while restraining the electrolyte from evaporating.

IPC 8 full level

C25C 3/08 (2006.01); **C25C 3/22** (2006.01); **C25C 3/34** (2006.01); **C25C 7/06** (2006.01)

CPC (source: EP US)

C25C 3/34 (2013.01 - EP US); **C25C 7/005** (2013.01 - EP US); **C25C 7/06** (2013.01 - EP US)

Citation (search report)

- [X] DATABASE WPI Week 198037, Derwent World Patents Index; AN 1980-65482C, XP002604999, MIRKIN L A: "Electrolysis of solutions containing volatile toxic substances"
- See references of WO 2009057270A1

Cited by

CN105369293A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2210969 A1 20100728; **EP 2210969 A4 20101222**; CN 101842522 A 20100922; JP 2009108365 A 20090521; TW 200925329 A 20090616; US 2010258436 A1 20101014; WO 2009057270 A1 20090507

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EP 08844890 A 20081027; CN 200880113892 A 20081027; JP 2007281224 A 20071030; JP 2008003048 W 20081027; TW 97140448 A 20081022; US 73902408 A 20081027