

Title (en)  
Electrolytic cell with gas electrodes and method for electrolysis by the same.

Title (de)  
Elektrolysezelle mit Gaselektroden und Verfahren zur Elektrolyse damit.

Title (fr)  
Cellule d'électrolyse ayant des électrodes à gaz et procédé d'électrolyse l'utilisant.

Publication  
**EP 0611835 A3 19950503 (EN)**

Application  
**EP 94830037 A 19940202**

Priority  
JP 5523493 A 19930218

Abstract (en)  
[origin: EP0611835A2] An electrolytic cell of horizontal type constructed such that the electrolytic cell proper is divided horizontally by one or two ion exchange membranes. If one ion exchange membrane is used, the cell is divided into a cathode and an anode compartment holding a gas electrode. If two ion exchange membranes are used, the cell is divided into a cathode compartment, an intermediate compartment, and an anode compartment. This arrangement permits the gas electrode and the current collector to be in contact with each other under a uniform pressure, and also allows for smooth gas discharge. This leads to a reduction in the electrolytic potential of the cell. <IMAGE>

IPC 1-7  
**C25B 1/22**; **C25B 1/16**; **C25B 15/00**

IPC 8 full level  
**C25B 1/46** (2006.01); **C25B 1/16** (2006.01); **C25B 1/22** (2006.01); **C25B 9/19** (2021.01); **C25B 15/00** (2006.01)

CPC (source: EP)  
**C25B 1/16** (2013.01); **C25B 1/22** (2013.01); **C25B 9/19** (2021.01); **C25B 15/00** (2013.01)

Citation (search report)  
• [DY] EP 0522382 A1 19930113 - PERMELEC SPA NORA [IT]  
• [Y] EP 0182114 A1 19860528 - HOECHST AG [DE]  
• [A] US 4595469 A 19860617 - FOLLER PETER C [US]

Cited by  
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AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

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**EP 0611835 A2 19940824**; **EP 0611835 A3 19950503**; CA 2114909 A1 19940819; FI 940702 A0 19940215; FI 940702 A 19940819; JP 3236693 B2 20011210; JP H06240482 A 19940830; NO 940535 D0 19940216; NO 940535 L 19940819

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**EP 94830037 A 19940202**; CA 2114909 A 19940203; FI 940702 A 19940215; JP 5523493 A 19930218; NO 940535 A 19940216