

Title (en)  
REVERSE POLARITY CLEANING AND ELECTRONIC FLOW CONTROL SYSTEMS FOR LOW INTERVENTION ELECTROLYTIC CHEMICAL GENERATORS

Title (de)  
REINIGUNG DURCH POLARITÄTSUMKEHRUNG UND ELEKTRONISCHE STRÖMUNGSREGULIERUNGSSYSTEME FÜR INTERVENTIONSARME ELEKTROLYTISCHE CHEMISCHE GENERATOREN

Title (fr)  
SYSTÈMES DE NETTOYAGE DE POLARITÉ INVERSÉE ET DE COMMANDE DE FLUX ÉLECTRONIQUE POUR DES GÉNÉRATEURS CHIMIQUES ÉLECTROLYTIQUES À FAIBLE INTERVENTION

Publication  
**EP 2286003 A4 20110525 (EN)**

Application  
**EP 09767356 A 20090528**

Priority  
• US 2009045460 W 20090528  
• US 5671808 P 20080528

Abstract (en)  
[origin: US2009229992A1] Method and apparatus for a low maintenance, high reliability on-site electrolytic generator incorporating automatic cell monitoring for contaminant film buildup, as well as automatically removing or cleaning the contaminant film. This method and apparatus preferably does not require human intervention to clean. For high current density cells, cleaning is preferably performed by reversing the polarity of the electrodes and applying a lower current density to the electrodes. A second lower current density power supply may be used for reverse polarity cleaning. Electrolyte flow is preferably monitored and automatically adjusted.

IPC 8 full level  
**C25B 9/00** (2006.01); **C25B 1/26** (2006.01); **C25B 15/00** (2006.01)

CPC (source: EP US)  
**C02F 1/4674** (2013.01 - EP US); **C25B 15/02** (2013.01 - EP US); **C25B 15/08** (2013.01 - EP US); **C02F 2001/46119** (2013.01 - EP US); **C02F 2001/46185** (2013.01 - EP US); **C02F 2201/4613** (2013.01 - EP US); **C02F 2201/4614** (2013.01 - EP US); **C02F 2201/46145** (2013.01 - EP US)

Citation (search report)  
• [XYI] US 4087337 A 19780502 - BENNETT JOHN E  
• [Y] US 5254226 A 19931019 - WILLIAMS RONALD C [US], et al  
• See references of WO 2009155044A2

Citation (examination)  
WO 2006135814 A2 20061221 - PROCESS SOLUTIONS INC [US], et al

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 MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**US 47374409 A 20090528**; CA 2763550 A 20090528; EP 09767356 A 20090528; JP 2011511817 A 20090528; MX 2010012917 A 20090528; US 2009045460 W 20090528