

Title (en)  
DEWISE FOR DEIONISING SALINE SOLUTIONS

Title (de)  
VORRICHTUNG ZUR ENTIONISIERUNG VON SALZLÖSUNGEN

Title (fr)  
DISPOSITIF DE DESIONISATION DE SOLUTIONS SALINES

Publication  
**EP 1663874 A1 20060607 (FR)**

Application  
**EP 04816232 A 20040923**

Priority  
• FR 2004050456 W 20040923  
• FR 0311128 A 20030923

Abstract (en)  
[origin: FR2859990A1] The deionizer, e.g. for sea water, has a cell with an outer impermeable, non-conducting and non-magnetic wall and inner deionization and concentration compartments, separated by ion-permeable membranes. The cell has an Laplace force generator situated outside it and having no contact with the solution while applying a Laplace force in a transverse direction to the membranes. The generator's electrical field is produced by the armatures of a condenser situated outside the cell and formed by a metallic film applied in two diametrically- opposed side strips to the cell walls, each strip being connected to the pole of a DC current generator.

IPC 1-7  
**C02F 1/46**

IPC 8 full level  
**B01D 61/44** (2006.01); **C02F 1/46** (2006.01); **C02F 1/469** (2006.01)

CPC (source: EP US)  
**B01D 61/44** (2013.01 - EP US); **C02F 1/4604** (2013.01 - EP US); **C02F 1/469** (2013.01 - EP US); **C02F 2103/08** (2013.01 - EP US); **C02F 2201/46115** (2013.01 - EP US); **Y02A 20/124** (2017.12 - EP US); **Y02W 10/37** (2015.05 - EP US)

Citation (search report)  
See references of WO 2005030650A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**FR 2859990 A1 20050325**; EP 1663874 A1 20060607; US 2007034514 A1 20070215; WO 2005030650 A1 20050407

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