

Title (en)
CLEANSING AGENT GENERATOR AND DISPENSER

Title (de)
ERZEUGER UND SPENDER FÜR REINIGUNGSMITTEL

Title (fr)
GÉNÉRATEUR ET DISTRIBUTEUR D'AGENT DE NETTOYAGE

Publication
EP 2171783 A1 20100407 (EN)

Application
EP 08794491 A 20080714

Priority
• US 2008008623 W 20080714
• US 94980207 P 20070713

Abstract (en)
[origin: WO2009011841A1] Electrochemical apparatus (10) and processes for the point-of-use production of cleansing, sanitizing, and antimicrobial agents, such as sodium hypochlorite (NaOCl) (34) or hypochlorous acid (HOCl). The processes may be used to produce NaOCl from seawater, low purity un-softened or NaCl-based salt solutions (26). HOCl may be produced from HCl solutions and water. NaOCl (34) is produced using a sodium ion conductive ceramic membrane (12), such as membranes based on NASICON-type materials, in an electrolytic cell (11). HOCl is produced using an anion conductive membrane in an electrolytic cell. The cleansing, sanitizing, and antimicrobial agent may be generated on demand and used in household, industrial, and water treatment applications.

IPC 8 full level
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CPC (source: EP)
C02F 1/4618 (2013.01); **C02F 1/4674** (2013.01); **C25B 1/26** (2013.01); **C02F 2103/026** (2013.01); **C02F 2103/08** (2013.01); **C02F 2201/46115** (2013.01); **C02F 2201/4612** (2013.01); **C02F 2201/46125** (2013.01); **C02F 2201/46145** (2013.01); **C02F 2201/4618** (2013.01); **C02F 2201/46185** (2013.01); **C02F 2209/29** (2013.01); **C02F 2303/04** (2013.01)

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