

Title (en)
ELECTROCHEMICAL DEVICE PRODUCING DISINFECTION LIQUID CONTENT (OZONE, ACTIVE CHLORINE, HYDROGEN PEROXIDE)

Title (de)
ELEKTROCHEMISCHE VORRICHTUNG ZUR HERSTELLUNG VON DESINFektionsFLÜSSIGKEITSINHALT (OZON, AKTIVCHLOR, WASSERSTOFFPEROXID)

Title (fr)
DISPOSITIF ÉLECTROCHIMIQUE PRODUISANT UNE TENUEUR EN LIQUIDE DE DÉSINFECTION (OZONE, CHLORE ACTIF, PEROXYDE D'HYDROGÈNE)

Publication
EP 3259235 A4 20181107 (EN)

Application
EP 13884589 A 20130515

Priority
SY 2013000001 W 20130515

Abstract (en)
[origin: WO2014185868A1] Electrochemical device producing fully complex disinfection liquid solution content (ozone, active chlorine, hydrogen peroxide) (O₃, ClO, H₂O₂) in liquid form, The solution can be generated from the elements existing in the water itself by passing the original water through the electrolysis cell that contains the suitable metal electrode after adding the salt solution (sodium chloride - NaCl) to raw water, a DC voltage is applied between the electrodes, The disinfection solution can be stored in a collection tank to be ready to use, and can be used for many fields that they need sterilization instead of using any other chemical production. The product solution has very strong activity to eradicate all of microorganisms without any other chemical needed to add and maybe able to be dangerous for the human healthy or for ambient environment

IPC 8 full level
C02F 1/467 (2006.01)

CPC (source: EP)
C02F 1/4672 (2013.01); **C02F 2201/4617** (2013.01); **C02F 2201/4618** (2013.01); **C02F 2303/04** (2013.01)

Citation (search report)
• [XYI] EP 1323678 A1 20030702 - SANYO ELECTRIC CO [JP]
• [X] US 3819329 A 19740625 - KAESTNER E, et al
• [Y] WO 2012142435 A2 20121018 - ADVANCED DIAMOND TECHNOLOGIES INC [US], et al
• [Y] US 4151052 A 19790424 - DAIDOJI HIROSHI [JP], et al
• See references of WO 2014185868A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2014185868 A1 20141120; EP 3259235 A1 20171227; EP 3259235 A4 20181107

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