

Title (en)

METHOD AND DEVICE FOR TREATING LIQUIDS, USING AN ELECTROLYTIC DRYING STAGE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR AUFBEREITUNG VON FLÜSSIGKEITEN MIT EINER TROCKNUNGSSTUFE MITTELS ELEKTROLYSE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE TRAITEMENT DE LIQUIDES AU MOYEN D'UNE ÉTAPE DE SÉCHAGE ÉLECTROLYTIQUE

Publication

EP 2134434 A1 20091223 (DE)

Application

EP 08735170 A 20080411

Priority

- EP 2008002864 W 20080411
- DE 102007017613 A 20070412

Abstract (en)

[origin: WO2008125283A1] The invention relates to a method and device for treating liquids, particularly ocean and/or brackish water and/or a refuse liquid and/or waste water, wherein a hot carrier gas flow charged with water vapor is present in a predetermined treatment step as a hot water vapor carrier gas flow, particularly from a device for the treatment of liquids. According to the invention at least a partial flow of the hot water vapor carrier gas flow is subjected to water vapor electrolysis in a water vapor electrolysis device (58; 265), in which at least part of the hydrogen and/or oxygen is separated from the hot water vapor carrier gas flow, and a dried carrier gas flow is created.

IPC 8 full level

B01D 3/06 (2006.01); **B01D 53/26** (2006.01); **B01D 59/40** (2006.01); **C02F 1/46** (2006.01); **C02F 1/461** (2006.01); **C25B 1/02** (2006.01); **H01M 8/04** (2006.01)

CPC (source: EP US)

B01D 1/22 (2013.01 - EP US); **B01D 1/2881** (2013.01 - EP US); **B01D 5/0039** (2013.01 - EP US); **B01D 5/0057** (2013.01 - EP US); **B01D 5/006** (2013.01 - EP US); **C02F 1/041** (2013.01 - EP US); **C25B 1/04** (2013.01 - EP US); **C25B 15/08** (2013.01 - EP US); **C02F 1/20** (2013.01 - EP US); **C02F 1/448** (2013.01 - EP US); **C02F 1/461** (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); **Y02A 20/131** (2017.12 - EP US); **Y02E 60/36** (2013.01 - EP US); **Y02P 20/133** (2015.11 - EP US); **Y02W 10/33** (2015.05 - EP US); **Y02W 10/37** (2015.05 - EP US)

Citation (search report)

See references of WO 2008125283A1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102007017613 A1 20081023; BR PI0809793 A2 20141007; EP 2134434 A1 20091223; US 2010187128 A1 20100729; US 8747648 B2 20140610; WO 2008125283 A1 20081023; ZA 200906966 B 20100526

DOCDB simple family (application)

DE 102007017613 A 20070412; BR PI0809793 A 20080411; EP 08735170 A 20080411; EP 2008002864 W 20080411; US 45078508 A 20080411; ZA 200906966 A 20091007