

Title (en)

MEMBRANE REACTOR FOR THE TREATMENT OF LIQUID EFFLUENTS, COMPRISING A MEMBRANE FOR DIFFUSION OF AN OXIDIZING GAS AND A SELECTIVE MEMBRANE, DEFINING A REACTION SPACE BETWEEN SAID MEMBRANES

Title (de)

MEMBRANREAKTOR ZUR BEHANDLUNG VON FLÜSSIGEN AUSTRAGSSTRÖMEN MIT EINER MEMBRAN ZUR DIFFUSION EINES OXIDIERENDEN GASES UND EINER SELEKTIVEN MEMBRAN, DIE EINEN REAKTIONSRaum ZWISCHEN DEN MEMBRANEN DEFINIEREN

Title (fr)

REACTEUR MEMBRANAIRE POUR LE TRAITEMENT D'EFFLUENTS LIQUIDES COMPRENANT UNE MEMBRANE DE DIFFUSION D'UN GAZ OXYDANT ET UNE MEMBRANE SELECTIVE DEFINISSANT ENTRE ELLES UN ESPACE DE REACTION

Publication

EP 2046485 A1 20090415 (FR)

Application

EP 07787909 A 20070725

Priority

- EP 2007057683 W 20070725
- FR 0607046 A 20060801

Abstract (en)

[origin: WO2008015142A1] The subject of the invention is a membrane reactor for the treatment of liquid effluents containing organic pollutants, of the type comprising at least one porous membrane (3) for the diffusion of an oxidizing gas, characterized in that it includes at least one selective membrane (2), (4) of said pollutants, which selective membrane defines, with said porous membrane for the diffusion of an oxidizing gas, a reaction space (31) into which said liquid effluents are injected, said reactor having means (34) for extracting retentates from said reaction space (31) and a space (32) for recovering the treated effluents, which space is separated from said reaction space (31) by said selective membrane or membranes (2), (4).

IPC 8 full level

B01D 53/22 (2006.01); **B01D 61/36** (2006.01); **B01D 63/00** (2006.01); **B01D 63/06** (2006.01); **B01J 19/24** (2006.01); **C01B 13/02** (2006.01); **C02F 1/44** (2006.01); **C02F 1/78** (2006.01); **C02F 9/00** (2006.01); **C02F 101/30** (2006.01)

CPC (source: EP US)

B01D 53/229 (2013.01 - EP US); **B01D 61/362** (2013.01 - EP US); **B01D 63/00** (2013.01 - EP US); **B01D 63/06** (2013.01 - EP US); **C01B 13/10** (2013.01 - EP US); **C02F 1/44** (2013.01 - EP US); **C02F 1/78** (2013.01 - EP US); **B01D 2319/06** (2013.01 - EP US); **C02F 1/441** (2013.01 - EP US); **C02F 1/442** (2013.01 - EP US); **C02F 1/444** (2013.01 - EP US); **C02F 1/448** (2013.01 - EP US); **C02F 2101/30** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

WO 2008015142 A1 20080207; CN 101516474 A 20090826; EP 2046485 A1 20090415; FR 2904572 A1 20080208; FR 2904572 B1 20081024; US 2009321354 A1 20091231

DOCDB simple family (application)

EP 2007057683 W 20070725; CN 200780034687 A 20070725; EP 07787909 A 20070725; FR 0607046 A 20060801; US 37573207 A 20070725