

Title (en)

MEMBRANE SUPPORTED BIOFILM PROCESS FOR AUTOTROPHIC REDUCTION

Title (de)

VERFAHREN MIT MEMBRANGETRÄGERTEM BIOFILM ZUR AUTOTROPHEN REDUKTION

Title (fr)

PROCESSUS DE BIOFILM SUPPORTÉ PAR MEMBRANE POUR UNE DIMINUTION AUTOTROPHIQUE

Publication

**EP 1838630 A4 20080227 (EN)**

Application

**EP 05774824 A 20050812**

Priority

- CA 2005001250 W 20050812
- CA 2477333 A 20040812
- CA 2004001495 W 20040812
- CA 2004001496 W 20040812

Abstract (en)

[origin: WO2006015496A1] A hollow gas transfer fibre is arranged in tows and potted into a module. The module may be used to treat wastewater by supplying hydrogen containing gas via the interior of the fibers to a biofilm present on an exterior surface of the fibers.

IPC 8 full level

**C02F 3/28** (2006.01); **B01D 63/04** (2006.01); **B01J 19/24** (2006.01)

CPC (source: EP)

**C02F 3/102** (2013.01); **C02F 3/2806** (2013.01); **B01F 33/40** (2022.01); **Y02E 50/30** (2013.01); **Y02W 10/10** (2015.05)

Citation (search report)

- [XY] US 6387262 B1 20020514 - RITTMANN BRUCE E [US], et al
- [Y] US 5942117 A 19990824 - HUNTER ROBERT M [US], et al & KR 20010035160 A 20010507 - DAE YANG E N C CO LTD [KR] & DATABASE WPI Week 200167, Derwent World Patents Index; AN 2001-594304, XP002464219
- [Y] DATABASE EPODOC EUROPEAN PATENT OFFICE, THE HAGUE, NL; XP002464218
- See references of WO 2006015496A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2006015496 A1 20060216**; EP 1838630 A1 20071003; EP 1838630 A4 20080227

DOCDB simple family (application)

**CA 2005001250 W 20050812**; EP 05774824 A 20050812