

Title (en)

WATER TREATMENT SYSTEM USING HOLLOW FIBER MEMBRANE MODULE

Title (de)

SYSTEM ZUR WASSERBEHANDLUNG UNTER VERWENDUNG VON HOHLFASERMEMBRANMODULEN

Title (fr)

SYSTEME DE TRAITEMENT D'EAU AU MOYEN D'UN MODULE A FIBRES CREUSES

Publication

**EP 1317402 A1 20030611 (EN)**

Application

**EP 00963114 A 20000922**

Priority

- KR 0001060 W 20000922
- KR 19990040928 A 19990922

Abstract (en)

[origin: WO0121531A1] A water treatment system using a hollow fiber membrane module is disclosed. The system comprises a housing provided with a main inlet port at the upper portion of its sidewall, an air and overflow outlet port at another upper portion of its sidewall, a main outlet port at the center of its top, a main drain port at the lower portion of its sidewall and an air inlet port at the center of its bottom; a hollow fiber membrane module is mounted in the interior of the housing and consists of a hollow fiber membrane element and an air diffusion tube; and a piping means.

IPC 1-7

**C02F 1/44**; B01D 61/18; B01D 63/02; B01D 65/08

IPC 8 full level

**B01D 61/18** (2006.01); **B01D 63/02** (2006.01); **B01D 63/04** (2006.01); **B01D 63/16** (2006.01); **B01D 65/02** (2006.01); **C02F 1/44** (2006.01)

CPC (source: EP KR US)

**B01D 61/18** (2013.01 - EP); **B01D 63/024** (2013.01 - EP); **B01D 63/04** (2013.01 - EP); **B01D 63/0821** (2022.08 - US); **B01D 63/16** (2013.01 - EP); **B01D 65/02** (2013.01 - EP); **C02F 1/44** (2013.01 - KR); **C02F 1/444** (2013.01 - EP); **B01D 2313/18** (2013.01 - EP); **B01D 2313/23** (2013.01 - EP); **B01D 2315/06** (2013.01 - EP); **B01D 2321/04** (2013.01 - EP); **B01D 2321/16** (2013.01 - EP US); **B01D 2321/185** (2013.01 - EP); **B01D 2321/2058** (2013.01 - EP)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL

DOCDB simple family (publication)

**WO 0121531 A1 20010329**; AU 7456600 A 20010424; CA 2408154 A1 20010329; EP 1317402 A1 20030611; EP 1317402 A4 20040407; KR 20010028598 A 20010406

DOCDB simple family (application)

**KR 0001060 W 20000922**; AU 7456600 A 20000922; CA 2408154 A 20000922; EP 00963114 A 20000922; KR 19990040928 A 19990922