

Title (en)

ASYMMETRIC SUPPORTED MEMBRANE FOR DIRECT OSMOTIC CONCENTRATION

Title (de)

ASYMMETRISCH GETRAGERTE MEMBRAN ZUR DIREKTEN OSMOTISCHEN KONZENTRIERUNG

Title (fr)

MEMBRANE ASYMETRIQUE SUR SUPPORT DESTINEE A LA CONCENTRATION OSMOTIQUE DIRECTE

Publication

EP 0888171 A4 20000105 (EN)

Application

EP 97916730 A 19970311

Priority

- US 9703574 W 19970311
- US 61387896 A 19960311

Abstract (en)

[origin: WO9733681A1] There is disclosed an asymmetric, hydrophilic, membrane having thin surface layer and a porous support layer having an embedded mesh embedded therein, which membrane is suitable for use in direct osmotic concentration (DOC) but not in reverse osmosis (RO).

IPC 1-7

B01D 63/00; **B01D 71/12**; **B01D 71/16**; **B32B 5/14**; **B32B 5/18**; **B01D 69/10**

IPC 8 full level

B01D 63/00 (2006.01); **B01D 69/10** (2006.01); **B01D 71/12** (2006.01); **B01D 71/16** (2006.01); **B32B 5/02** (2006.01)

CPC (source: EP US)

B01D 69/10 (2013.01 - EP); **B01D 69/1071** (2022.08 - US)

Citation (search report)

- [Y] WO 9602317 A1 19960201 - MILLIPORE CORP [US]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 16, no. 524 (C - 1000) 28 October 1992 (1992-10-28)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 18, no. 198 (C - 1187) 7 April 1994 (1994-04-07)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9733681 A1 19970918; AU 2527597 A 19971001; AU 724712 B2 20000928; CA 2248256 A1 19970918; EP 0888171 A1 19990107; EP 0888171 A4 20000105; JP 2000506439 A 20000530

DOCDB simple family (application)

US 9703574 W 19970311; AU 2527597 A 19970311; CA 2248256 A 19970311; EP 97916730 A 19970311; JP 53270197 A 19970311