

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 69/1071** (2022.08 - EP 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)
- See also references of WO 9733681A1

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