

Title (en)

METHOD FOR MAKING A NANOFILTRATION MEMBRANE, AND RESULTING MEMBRANE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER NANOFILTRATION-MEMBRAN UND HERGESTELLTE MEMBRAN

Title (fr)

PROCEDE DE FABRICATION D'UNE MEMBRANE DE NANOFILTRATION, ET MEMBRANE OBTENUE

Publication

EP 1289635 A1 20030312 (FR)

Application

EP 01940683 A 20010605

Priority

- FR 0101725 W 20010605
- FR 0007549 A 20000614

Abstract (en)

[origin: FR2810259A1] Production of a nanofiltration membrane includes contacting at least a surface of a porous support membrane with a grafting composition and using light radiation to form free radicals that produce nanofiltration properties. The composition includes radical polymerization monomer(s) and cross-linking agent(s) without a photo-initiator. An Independent claim is included for a nanofiltration membrane as above. Preferred Features: The support membrane has a permeability of 5×10^{-4} to 10^{-2} l/(h.m<2>.Pa.) and includes a photosensitive agent and a reticulation agent.

IPC 1-7

B01D 67/00; **B01D 71/68**

IPC 8 full level

B01D 67/00 (2006.01); **B01D 69/02** (2006.01); **B01D 69/12** (2006.01); **B01D 71/40** (2006.01); **B01D 71/68** (2006.01); **C08F 2/46** (2006.01)

CPC (source: EP US)

B01D 67/0093 (2013.01 - EP US); **B01D 69/02** (2013.01 - EP US); **B01D 71/401** (2022.08 - EP US); **B01D 71/68** (2013.01 - EP US); **B01D 2323/30** (2013.01 - EP US); **B01D 2323/38** (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

FR 2810259 A1 20011221; **FR 2810259 B1 20020830**; EP 1289635 A1 20030312; US 2002161066 A1 20021031; WO 0196004 A1 20011220

DOCDB simple family (application)

FR 0007549 A 20000614; EP 01940683 A 20010605; FR 0101725 W 20010605; US 4937002 A 20020212