

Title (en)

MICROPORE MEMBRANES AND METHODS OF FABRICATION THEREOF USING PILLAR TEMPLATES

Title (de)

MIKROPORENMEMBRANEN UND VERFAHREN ZUR HERSTELLUNG DAVON UNTER VERWENDUNG VON SÄULENVORLAGEN

Title (fr)

MEMBRANES À MICROPORES ET LEURS PROCÉDÉS DE FABRICATION À L'AIDE DE MODÈLES DE PILIERS

Publication

EP 4313380 A2 20240207 (EN)

Application

EP 22718933 A 20220329

Priority

- US 202117219428 A 20210331
- US 202117219713 A 20210331
- EP 2022058220 W 20220329

Abstract (en)

[origin: WO2022207613A2] Porous liquid-filtering membranes (101, 201, 401, 501, 601) having a repeatable distribution of pores (105, 205, 405, 505, 605) of a small dimension are provided, as well as pillar templates (200, 400, 500, 600) that are used to produce such liquid filtering membranes (101, 201, 401, 501, 601). Also disclosed are methods of making and using the pillar templates (200, 400, 500, 600) to make porous liquid filtering membranes (101, 201, 401, 501, 601).

IPC 8 full level

B01D 67/00 (2006.01); **B01D 69/02** (2006.01); **B01D 71/64** (2006.01); **B81C 1/00** (2006.01); **G03F 7/00** (2006.01)

CPC (source: EP)

B01D 67/0032 (2013.01); **B01D 67/0034** (2013.01); **B01D 69/02** (2013.01); **B01D 71/64** (2013.01); **B81C 1/00087** (2013.01); **G03F 7/0002** (2013.01); **B01D 2325/0214** (2022.08); **B01D 2325/022** (2013.01); **B81B 2201/10** (2013.01); **B81B 2207/056** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022207613 A2 20221006; **WO 2022207613 A3 20221117**; EP 4313380 A2 20240207; JP 2024515514 A 20240410

DOCDB simple family (application)

EP 2022058220 W 20220329; EP 22718933 A 20220329; JP 2023560729 A 20220329