

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
11 February 2010 (11.02.2010)

PCT

(10) International Publication Number  
**WO 2010/015599 A1**

(51) International Patent Classification:

**B01D 69/12** (2006.01) **C08F 293/00** (2006.01)  
**B01D 71/56** (2006.01) **B01D 61/02** (2006.01)  
**C08F 2/38** (2006.01) **C08L 77/00** (2006.01)

(21) International Application Number:

PCT/EP2009/060029

(22) International Filing Date:

3 August 2009 (03.08.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

08161828.2 5 August 2008 (05.08.2008) EP

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(54) Title: FUNCTIONALIZED THIN FILM POLYAMIDE MEMBRANES

(57) Abstract: The present invention relates to a method of preparing RAFT, ATRP or NMRP functionalized thin film composite (TFC) polyamide membranes on a microporous substrate. A further aspect of the invention is the subsequent modification of the thin film composite polyamide membrane by controlled free radical polymerization (CFRP) to yield membranes having new chemical and physical properties, e.g. antifouling and/or antibacterial properties. Further aspects of the invention are the functionalized thin film composite (TFC) polyamide membranes on the microporous substrate itself and the membranes modified by controlled free radical polymerization.



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