

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
22 February 2007 (22.02.2007)

PCT

(10) International Publication Number
WO 2007/022100 A1

(51) International Patent Classification:

C08G 69/46 (2006.01) **B01D 69/12** (2006.01)
C08G 75/30 (2006.01) **B01D 61/14** (2006.01)
B01D 71/56 (2006.01) **B01D 67/00** (2006.01)
B01D 71/82 (2006.01) **B01D 71/68** (2006.01)

(21) International Application Number:

PCT/US2006/031680

(22) International Filing Date: 14 August 2006 (14.08.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

11/204,425 16 August 2005 (16.08.2005) US
 11/495,810 28 July 2006 (28.07.2006) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, 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, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: MEMBRANES AND METHODS USEFUL FOR CAUSTIC APPLICATIONS

Example 1 (polyamide)			Example 2 (polysulfonamide)		
Structure	Value	% Pass	Structure	Value	% Pass
	8.3	0.16		3.0	1.2
control	8.1	0.47	control	3.1	53.8
				3.4	4.5
			control	14.5	45.7
	6.4	0.19			
control	6.1	0.47			
	9.9	0.55		6.9	0.9
control	9.7	0.62	control (P4)	16	43.2
	6.1	0.75		5.1	6.5
control	6.5	0.86	control	14.8	53.7
	6.1	0.75		3.2	1.7
control	6.0	0.71	control (P4)	11.1	54.6
	6.0	0.71		2.2	1.5
control	6.0	0.71	control	11.1	54.6
	6.5	0.41		4.2	2.5
control	6.5	0.65	control	14.5	45.7
	6.5	0.41		6.3	3.8
control	6.5	0.41	control	14.5	45.7
	6.5	0.41		10.1	4.5
control	6.5	0.41	control	14.5	45.7
	7.3	0.37		7.3	2.5
control	6.5	0.65	control	14.5	45.7
	6.2	0.28			
control	6.5	0.65			
	8.9	0.74		7.3	7.2
control	8.9	1.2	control	17	64
	8.5	0.60			
control	8.5	1.06			
	7.6	0.56		10.1	41.4
control	6.0	0.71	control	11.1	54.6

(57) Abstract: The invention provides novel polymer matrices and methods for preparing polymer matrices, as well as methods for purifying caustic feed streams using membranes that comprise polysulfonamide matrices.



Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

Published:

- with international search report

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