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(21) International Application Number: PCT/US99/04574 (22) International Filing Date: 3 March 1999 (03.03.99) (30) Priority Data: 60/076,578 3 March 1998 (03.03.98) US (71) Applicant (for all designated States except US): E.I. DU PONT DE NEMOURS AND COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): FEIRING, Andrew, Edward [US/US]; 7 Buckridge Drive, Wilmington, DE 19807 (US). DOYLE, Christopher, Marc [US/US]; 52 Bridle Brook Lane, Newark, DE 19711 (US). ROELOFS, Mark, Gerit [US/US]; 514 Hemlock Drive, Hockessin, DE 19707 (US). FARNHAM, William, Brown [US/US]; 123 Dewberry Drive, Hockessin, DE 19707 (US). BEKIARIAN, Paul, Gregory [US/US]; 2621 Kimbrough Drive, Wilmington, DE 19810 (US). BLAU, Hanne, A., K. [DE/US]; 2100 F. Haven, Wilmington, DE 19809 (US).		(74) Agent: SIEGELL, Barbara, C.; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US). (81) Designated States: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: SUBSTANTIALLY FLUORINATED IONOMERS (57) Abstract This invention deals with substantially fluorinated but not perfluorinated ionomers, and related ionic and nonionic monomers, having pendant groups containing fluorosulfonyl methide or fluorosulfonyl imide derivatives and univalent metal salts thereof, and with the uses of said ionomers in electrochemical applications such as batteries, fuel cells, electrolysis cells, ion exchange membranes, sensors, electrochromic windows, electrochemical capacitors , and modified electrodes.		

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