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(21) International Application Number: PCT/GB99/00135 (22) International Filing Date: 1 February 1999 (01.02.99) (30) Priority Data: 9803332.7 18 February 1998 (18.02.98) GB 9812239.3 8 June 1998 (08.06.98) GB (71) Applicant (for all designated States except US): BG PLC [GB/GB]; 100 Thames Valley Park Drive, Reading, Berkshire RG6 1PT (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): LAVERTY, Brendan, William [GB/GB]; 33 St Helen's Road, West Bridg- ford, Nottingham NG2 6EX (GB). CHOWDHURY, Geeta [CA/CA]; 2120 Johnston Road, Ottawa, Ontario K1G 5J7 (CA). VUJOSEVIC, Ranka [CA/CA]; 180 Lees Avenue, Ottawa, Ontario K1S 5J6 (CA). DENG, Shengzhi [CA/CA]; 368 Queen Mary Street, Ottawa, Ontario K1K 1W7 (CA). YAO, Boping [CN/CN]; 26 Ross Street, Toronto, Ontario M5T 1Z9 (CA). MATSUURA, Takeshi [CA/CA]; 1934 Mulberry Crescent, Ottawa, Ontario K1J 8J9 (CA).		(74) Agent: MORGAN, David, J.; BG plc, Intellectual Property Dept., 100 Thames Valley Park, Reading, Berkshire RG6 1PT (GB). (81) Designated States: CA, ID, JP, NO, RU, SG, UA, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: PROCESS OF FORMING A PERMEABLE GAS SEPARATION MATERIAL (57) Abstract The process is characterised by sulfonating a partially brominated poly(phenylene oxide). The gas separation material so formed may be made into a membrane and is useful in separating component gases from a gas mixture.		