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(21) International Application Number: PCT/GB99/00470 (22) International Filing Date: 16 February 1999 (16.02.99) (30) Priority Data: 9803817.7 25 February 1998 (25.02.98) GB (71) Applicant (for all designated States except US): AEA TECHNOLOGY PLC [GB/GB]; 329 Harwell, Didcot, Oxfordshire OX11 0RA (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): INMAN, Michael [GB/GB]; 2 Longfellow Drive, Abingdon, Oxfordshire OX14 5NU (GB). ANDREWS, Peter, James [GB/GB]; 17 Donnington Place, Belmont Park, Wantage, Oxfordshire OX12 9YE (GB). HALL, Stephen, Ivor [GB/GB]; 9 Blenheim Lane, Freeland, Oxford, Oxfordshire OX8 8AW (GB). MANSON-WHITTON, Christopher, David, John [GB/GB]; 19A Hillview Road, Botley Road, Oxford, Oxfordshire OX2 0DA (GB). SHAWCROSS, James, Timothy [GB/GB]; 27 Ticknell Piece Road, Charlbury, Oxfordshire OX7 3TN (GB). WEEKS, David, Michael [GB/GB]; 60 Blandy Avenue, Southmoor, Abingdon, Oxfordshire OX13 5DB (GB).		(74) Agents: LOFTING, Marcus, John et al.; AEA Technology plc, Patents Dept., 329 Harwell, Didcot, Oxfordshire OX11 0RA (GB). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, 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>
(54) Title: A COMPONENT FOR GAS TREATMENT (57) Abstract A component of dielectric material for use in a gas treatment device in which the gas is exposed to an electric discharge, especially for the formation of a non-thermal plasma. The component is formed with axially extending apertures (19), shaped in cross section to concentrate voltage drop derived from the charged dielectric material in the region where the apertures are narrowest.		