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(21) International Application Number: PCT/GB99/04334 (22) International Filing Date: 21 December 1999 (21.12.99) (30) Priority Data: 9828184.3 21 December 1998 (21.12.98) GB (71) Applicant (for all designated States except US): BOWTHORPE INDUSTRIES LIMITED [GB/GB]; Gatwick Road, Crawley, West Sussex RH10 2RZ (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): DOONE, Rodney, Meredith [GB/GB]; 77B Folders Lane, Burgess Hill, West Sussex RH15 0DE (GB). SHORT, Patrick, George [GB/GB]; 12 The Holt, Burgess Hill, West Sussex RH15 0RF (GB). (74) Agents: MILHENCH, Howard, L. et al.; R G C Jenkins & Co., 26 Caxton Street, London SW1H 0RJ (GB).		(81) Designated States: AE, 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, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, 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 With international search report.

(54) Title: IMPROVEMENTS RELATING TO ELECTRICAL SURGE ARRESTERS

(57) Abstract

A high voltage (station class) surge arrester comprises a plurality of serially connected stages and each stage comprises a plurality of low voltage (distribution class) polymer housed solid state surge arresters which are electrically matched. The individual surge arresters of each stage are connected together and to the respective surge arresters of the (or each) adjacent stage by means of cast metal mounting brackets (spiders) having plural equiangularly-spaced limbs to the ends of which the surge arresters are attached. Corona suppression rings are mounted at the top end of the arrester and separate corona suppression components are mounted at the ends of the limbs of the intermediate stages.

