

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
3 January 2003 (03.01.2003)

PCT

(10) International Publication Number
WO 03/001566 A3

(51) International Patent Classification⁷: **H01B 07/34**,
07/00

[US/US]; 291 Indiantown Road, Glenmoore, PA 19343 (US).

(21) International Application Number: PCT/US02/18928

(22) International Filing Date: 13 June 2002 (13.06.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/299,656 20 June 2001 (20.06.2001) US
09/993,155 14 November 2001 (14.11.2001) US

(71) Applicant (for all designated States except US): **FEDERAL-MOGUL SYSTEMS PROTECTION GROUP, INC.** [US/US]; 241 Welsh Pool Road, Exton, PA 19341 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MARKS, Philip, E.**

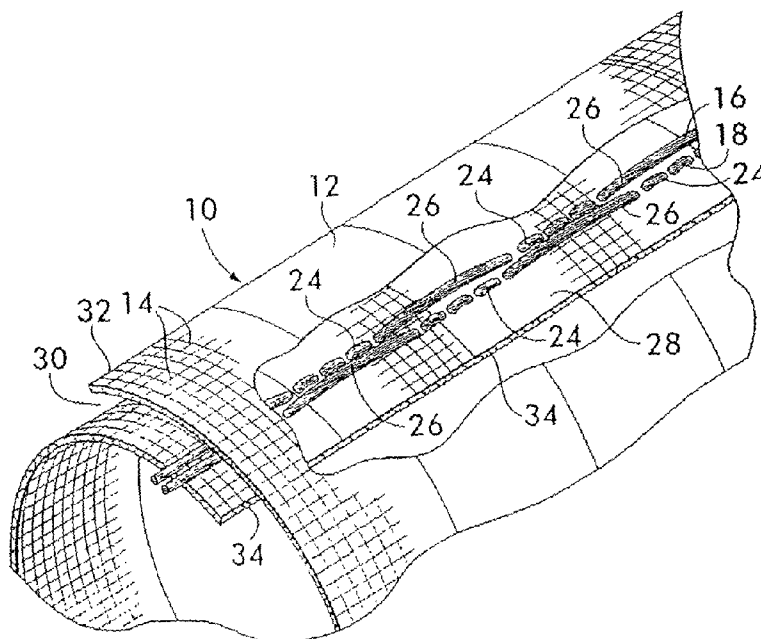
(74) Agents: **LINDROOTH, Charles, H.** et al.; Synnestvedt & Lechner LLP, 2600 Aramark Tower, 1101 Market Street, Philadelphia, PA 19107-2950 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, 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, TR), OAPI patent

[Continued on next page]

(54) Title: EXTENDIBLE DRAIN MEMBERS FOR GROUNDING RFI/EMI SHIELDING



(57) Abstract: An RFI/EMI shield (10) formed of interlaced conducting and non-conducting filaments (14). The shield (10) takes the form of a sleeve (12) with a longitudinal seam (30), and is biased so that free edges (32 and 34) defining the seam (30) are positioned in overlapping relation. A pair of filamentary drain wires (16 and 18) are continuously interlaced with filamentary members (14) forming the sleeve (12) and the other drain wires (16 and 18) are interlaced at lengthwise along the sleeve (12). Between the attachment regions, the drain wires (16 and 18) float on the surface of the sleeve (12) and are extendible away from the sleeve (12) for attachment to an electrical ground.



WO 03/001566 A3



(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG).

(88) Date of publication of the international search report:
15 May 2003

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv)) for US only*

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.