

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 August 2006 (10.08.2006)

PCT

(10) International Publication Number
WO 2006/083358 A3

(51) International Patent Classification:

H01B 3/42 (2006.01) **H01B 7/02** (2006.01)
H01B 3/30 (2006.01)

(21) International Application Number:

PCT/US2005/042289

(22) International Filing Date:

22 November 2005 (22.11.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/637,008	17 December 2004 (17.12.2004)	US
60/637,412	17 December 2004 (17.12.2004)	US
60/637,419	17 December 2004 (17.12.2004)	US
11/256,766	24 October 2005 (24.10.2005)	US

(71) Applicant (for all designated States except US): **GENERAL ELECTRIC COMPANY** [US/US]; 1 River Road, Schenectady, NY 12345 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GUO, Hua** [US/US]; 93 Dorchester Avenue, Selkirk, NY 12158 (US). **MHETAR, Vijay, R.** [IN/US]; 7 Eastmount Drive, #222, Slingerlands, NY 12159 (US). **RAJAMANI, Vijay** [IN/US]; 9 Eastmount Drive, #J-195, Slingerlands, NY 12159 (US).

(74) Agents: **WINTER, Catherine, J.** et al.; Patent Counsel, General Electric Company, 3135 Easton Turnpike (W3C), Fairfield, CT 06828 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

28 September 2006

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.

(54) Title: FLEXIBLE POLY(ARYLENE ETHER) COMPOSITION AND ARTICLES THEREOF

(57) Abstract: A thermoplastic composition comprising a poly(arylene ether), a polyolefin, and a polymeric compatibilizer selected from the group consisting of (i) a block copolymer wherein a central block is a controlled distribution copolymer, and (ii) a polypropylene-polystyrene graft copolymer; is disclosed. The composition is useful in the production of covered wire.



WO 2006/083358 A3