

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 June 2006 (22.06.2006)

PCT

(10) International Publication Number
WO 2006/065540 A1

(51) International Patent Classification:
H01B 3/42 (2006.01) **H01B 7/02** (2006.01)
H01B 3/30 (2006.01)

01226 (US). **RAJAMANI, Vijay** [IN/US]; 9 Eastmount Drive, #j-195, Slingerlands, New York 12159 (US).

(21) International Application Number:
PCT/US2005/043405

(74) Agents: **WINTER, Catherine, J.** et al.; GENERAL ELECTRIC COMPANY, 3135 Easton Turnpike (W3C), Fairfield, CT 06828 (US).

(22) International Filing Date:
30 November 2005 (30.11.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/637,406 17 December 2004 (17.12.2004) US
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
60/654,247 18 February 2005 (18.02.2005) US
11/256,826 24 October 2005 (24.10.2005) 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.

(71) Applicant (*for all designated States except US*): **GENERAL ELECTRIC COMPANY** [US/US]; A NEW YORK CORPORATION, 1 River Road, Schenectady, New York 12345 (US).

(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).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **XU, James, J.** [US/US]; 2489 Antonia Drive, Niskayuna, New York 12309 (US). **MHETAR, Vijay, R.** [IN/US]; 7 Eastmount Drive, #222, Slingerlands, New York 12159 (US). **PETERS, Richard** [US/US]; 60 Bruce Drive, Dalton, MA

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.

(54) Title: MULTICONDUCTOR CABLE ASSEMBLIES AND METHODS OF MAKING MULTICONDUCTOR CABLE ASSEMBLIES

(57) Abstract: A multiconductor cable assembly and a method of making a multiconductor cable assembly are disclosed. The multiconductor cable assembly comprises a conductor and a covering comprising a thermoplastic composition. The thermoplastic composition comprises a poly(arylene ether), a polyolefin and a polymeric compatibilizer. The thermoplastic composition may further comprise a flame retardant.



WO 2006/065540 A1