(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
15 October 2009 (15.10.2009)

PCT

(10) International Publication Number
WO 2009/126619 A1

(51) International Patent Classification:
H02G 15/02 (2006.01)

(21) International Application Number:
PCT/US2009/039761

(22) International Filing Date:
7 April 2009 (07.04.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

61/043,316	8 April 2008 (08.04.2008)	US
61/043,546	9 April 2008 (09.04.2008)	US
61/057,795	30 May 2008 (30.05.2008)	US

(71) Applicant *(for all designated States except US)*: **WPFY, INC.** [US/US]; 1105 North Market Street, Wilmington, DE 19890 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **PICARD, Paul, R.** [US/US]; 1545 South Road, East Greenwich, RI 02818 (US). **COLANGELO, Joseph, D.** [US/US]; 40 Blackinton Drive, Chepachet, RI 02814 (US). **PEREIRA, Robert** [US/US]; 1 Benson Road, Rochester, MA 02770 (US). **DEMELLO, Christopher, J.** [US/US]; 66 Sailmaker Court, Swansea, MA 02777 (US).

(74) Agent: **SMITH, Montgomery**; Tyco Electrical & Metal Products, 9 Roszel Road, Princeton, NJ 08540 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH,

[Continued on next page]

(54) Title: METAL SHEATHED CABLE ASSEMBLY

(57) Abstract: A Metal-Clad cable that includes at least two conductor assemblies within a metal armored sheath. Each conductor assembly has an electrical conductor, an insulation layer extending around and along the length of each of the electrical conductors, a jacket layer disposed around the insulating layer and a polymeric protective layer disposed around the jacket layer along the length of each of the electrical conductors. A grounding/bonding strip is disposed within the cable and is in intimate contact with an interior surface of the metal sheath. If a grounding conductor is used, it is either in cabled relationship with the two conductor assemblies or is disposed along the length of the electrical conductors and the metal sheath is disposed over the at least two conductor assemblies and the grounding conductor.

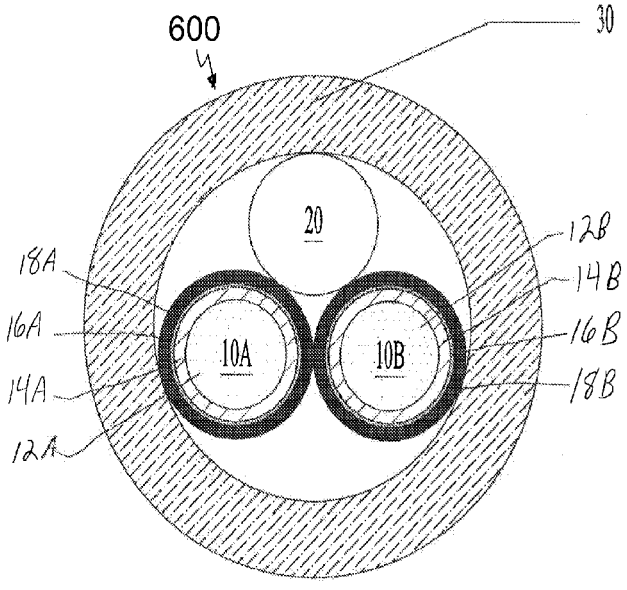


FIG. 2

WO 2009/126619 A1

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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*