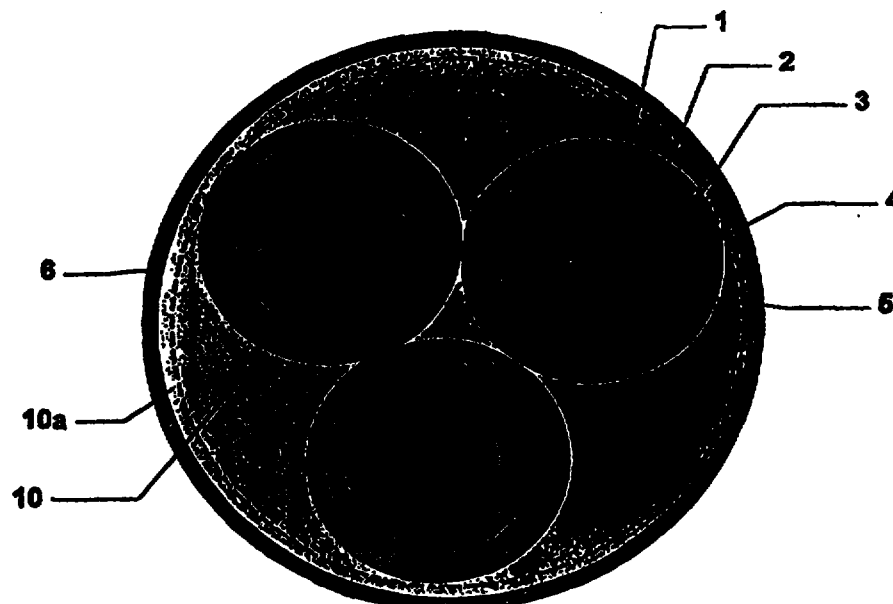


INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H01B 7/00, 7/18		A1	(11) International Publication Number: WO 98/52197
			(43) International Publication Date: 19 November 1998 (19.11.98)
(21) International Application Number: PCT/EP98/02698		(81) Designated States: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, GW, HU, ID, IL, IS, JP, KP, KR, LC, LK, LR, LS, LT, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, UA, US, UZ, VN, YU, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, 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, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 8 May 1998 (08.05.98)			
(30) Priority Data: 97107969.4 15 May 1997 (15.05.97) EP (34) Countries for which the regional or international application was filed: IT et al. 60/047,127 20 May 1997 (20.05.97) US			
(71) Applicant (for all designated States except US): PIRELLI CAVI E SISTEMI S.P.A. [IT/IT]; Viale Sarca, 222, I-20126 Milan (IT).		Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
(72) Inventors; and			
(75) Inventors/Applicants (for US only): BELLI, Sergio [IT/IT]; Via Maestri del Lavoro, 8, I-57126 Livorno (IT). CAIMI, Luigi [IT/IT]; Via Magenta, 13, I-23871 Lomagna (IT). BAREGGI, Alberto [IT/IT]; Via Aselli, 35, I-20133 Milan (IT). BALCONI, Luca [IT/IT]; Via Mattei, 8, I-20091 Bresso (IT).			
(74) Common Representative: PIRELLI CAVI E SISTEMI S.P.A.; Giannesi, Pier, Giovanni, Industrial Property Dept., Viale Sarca, 222, I-20126 Milan (IT).			

(54) Title: CABLE WITH IMPACT-RESISTANT COATING



(57) Abstract

The present invention relates to a coating for cables which is capable of protecting the cable against accidental impacts. By inserting into the structure of a power transmission cable a suitable coating of expanded polymer material of adequate thickness, preferably in contact with the sheath of outer polymer coating, it is possible to obtain a cable which has a high impact strength. The Applicant has moreover observed that an expanded polymer material used as a coating for cables makes it possible to obtain a higher impact strength for this cable than using a similar coating based on the same polymer which is not expanded. A cable with a coating of this type has various advantages over a conventional cable with metal armor, such as, for example, easier processing, a reduction in the weight and dimensions of the finished cable and a lower environmental impact as regards recycling of the cable once its working cycle is over.