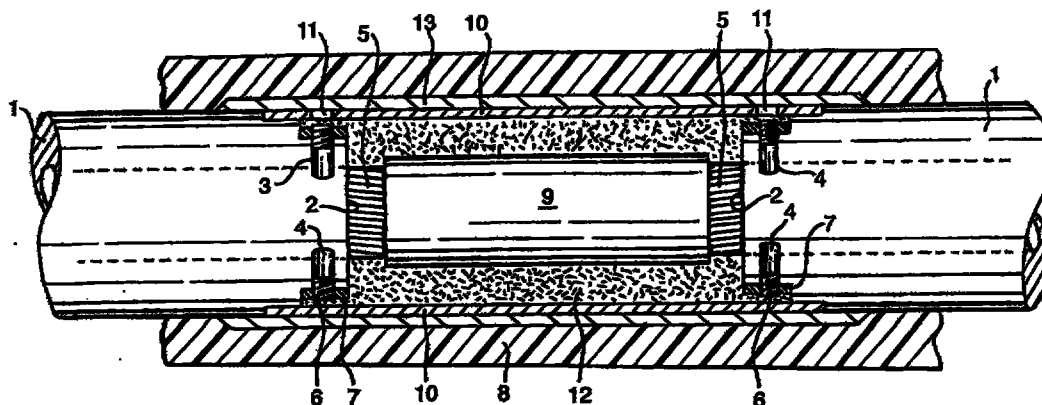




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H02G 15/184, 15/103	A1	(11) International Publication Number: WO 99/13547 (43) International Publication Date: 18 March 1999 (18.03.99)
(21) International Application Number: PCT/GB98/02662 (22) International Filing Date: 3 September 1998 (03.09.98) (30) Priority Data: 9718925.2 5 September 1997 (05.09.97) GB (71) Applicant (for all designated States except US): BICC PUBLIC LIMITED COMPANY [GB/GB]; Devonshire House, Mayfair Place, London W1X 5FH (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): BROAD, Alan, James [GB/GB]; "Hornbeams", Gorse Wood Road, Hartley, Longfield, Kent DA3 7DE (GB). LINDSEY, Graham, Peter [GB/GB]; 7 Mossdown Close, Belvedere, Kent DA17 5QW (GB). TRIM, Laurence, Richard [GB/GB]; 38 Appledore Crescent, Sidcup, Kent DA14 6RQ (GB). (74) Agent: POOLE, Michael, John; BICC Patents & Licensing Dept., Quantum House, Maylands Avenue, Hemel Hempstead, Hertfordshire HP2 7DE (GB).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, 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, GW, ML, MR, NE, SN, TD, TG). Published With international search report.

(54) Title: ELECTRIC CABLE JOINTS AND METHODS OF MAKING THEM



(57) Abstract

In a joint or termination for a high-voltage cable with polymeric insulation (1) longitudinal movement of the insulation (1) that may arise from the release of internal stresses resulting from the extrusion process or from thermal cycling in service are inhibited by pins (4) inserted in radial bores (3) in the insulation (1) and driven inwardly to indent into the metallic conductor (5). If desired, this can be done even before the insulation (1) is cut back in preparation for jointing. Preferably the cut-back end of the insulation (1) is also supported, preferably by a hardenable resinous material which fills all voids within the radius of the insulation (1), or alternatively by a rigid component, e.g. a flange (16) on the joint ferrule (15). Preferably the pins (4) are secured against radial outward movement by direct or indirect engagement with a surrounding annular member (7).