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(21) International Application Number: PCT/GB96/01321 (22) International Filing Date: 5 June 1996 (05.06.96) (30) Priority Data: 9511464.1 7 June 1995 (07.06.95) GB (71) Applicants (for all designated States except US): BICC PUBLIC LIMITED COMPANY [GB/GB]; Devonshire House, Mayfair Place, London W1X 5FH (GB). BICC CEAT CAVI S.R.L. [IT/IT]; Via Brescia, 16, I-10036 Settimo Torinese (IT). (72) Inventors; and (75) Inventors/Applicants (for US only): BRALES, Timothy, Paul [GB/GB]; 73 Lesbury Close, Chester-le-Street, Durham DH2 3RS (GB). FRIEND, Christopher, Michael [GB/GB]; 32 Albert Street, Western Hill, Durham DH1 4RJ (GB). FERRERO, Edoardo, Domenico [IT/IT]; Via C Pavese, 5, I-10078 Venaria Reale (IT). (74) Agent: POOLE, Michael, John; BICC Patents & Licensing Dept., Quantum House, Maylands Avenue, Hemel Hempstead, Hertfordshire HP2 4SJ (GB).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, 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). Published <i>With international search report.</i>
(54) Title: ELECTRIC CONDUCTORS AND CABLES (57) Abstract A conductor for a superconducting cable comprises a hollow copper section, either open (a channel) or closed (a tube) having at least one elementary superconductor tape loosely housed within it so as to admit relative movement with respect to the copper section, at least (and preferably only, once the conductor is terminated) in the direction of the width of the tape(s). This provides adequate contact between the tape(s) and the copper without giving rise to the stresses and risk of damage on flexing a conductor in which the tapes are solidly bonded to the copper.		