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(21) International Application Number: PCT/GB00/01146 (22) International Filing Date: 24 March 2000 (24.03.00) (30) Priority Data: 9906956.9 25 March 1999 (25.03.99) GB (71) Applicant (for all designated States except US): NOR.WEB DPL LIMITED [GB/GB]; Regus Building, 268 Bath Road, Slough SL1 4DX (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): BROWN, Paul, Anthony [GB/GB]; 30 Applerigg, Kendal, Cumbria LA9 6EA (GB). DICKINSON, John [GB/GB]; 47 Brooklands Road, Burnley, Lancashire BB11 3PR (GB). (74) Agents: HACKNEY, Nigel, J. et al.; Mewburn Ellis, York House, 23 Kingsway, London WC2B 6HP (GB).	(81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, 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 <i>With international search report.</i> *G00001*	

(54) Title: **SIGNAL COUPLER**

(57) Abstract

The present invention relates to apparatus for coupling communications equipment to a conductor or cable. In particular, it relates to an "elbow" or "T" shaped type coupler. The present invention aims to provide a method and apparatus for effectively coupling communication signals onto and off an existing, possibly energised, distribution or transmission network. In a first aspect, the present invention provides a coupler including a pin (1, 20) for electrical connection to a socket, high pass filter means (5) electrically connected to the pin and connection means (7) for connecting the high pass filter means to a signal source. Preferably the pin (1, 20) is adapted or arranged so as to be suitable for connection to a socket (e.g. a primary terminal) of a transformer. In this way, a high frequency communication signal coupling may be made to the primary winding of the transformer without any need to interrupt the operation of the transformer or the power supply to consumers. Furthermore, the installation of the connection is safe and easy to do, which as will be appreciated, is important in high voltage equipment.

