P804525-5
IPOS

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : H04Q 7/32 — A1

(11) International Publication Number: WO 97/36442

(43) International Publication Date: 2 October 1997 (02.10.97)

(21) International Application Number: PCT/GB97/00559

(22) International Filing Date: 27 February 1997 (27.02.97)

(30) Priority Data:
96302059.9 26 March 1996 (26.03.96) EP
(34) Countries for which the regional or international application was filed: AT et al.
9606296.3 26 March 1996 (26.03.96) GB

(60) Parent Application or Grant
(63) Related by Continuation
US 08/676,515 (CIP)
Filed on 2 July 1996 (02.07.96)

(71) Applicant (for all designated States except US): BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY [GB/GB]; 81 Newgate Street, London EC1A 7AJ (GB).

(72) Inventor; and
(75) Inventor/Applicant (for US only): GOETZ, Ian [GB/GB]; 39 Langdale Road, Thame, Oxfordshire OX9 3WL (GB).

(74) Agent: LIDBETTER, Timothy, Guy, Edwin; BT Group Legal Services, Intellectual Property Dept., 8th floor, 120 Holborn, London EC1N 2TE (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, HU, 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, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (GH, 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
With international search report.

(54) Title: ALTERNATIVE ROUTING SYSTEM FOR MOBILE TELEPHONE CALLS

(57) Abstract

A cellular telephone (1) is provided with a connector (7) for conecting it to an interface unit (11). The interface unit (11) can exchange speech and data signals with the telephone (1) as well as providing power. When the telephone (1) is connected to the interface unit (11), its antenna (3) is effectively disabled. The interface unit (11) provides a link between the telephone (1) and a BTS via a communication path other than the cellular telephone system's conventional cell arrangement. The communication path can comprise telephone or ISDN connections, leased lines, point-to-point microwave links or coaxial cable. In the cases of telephone and ISDN lines and leased lines, baseband speech and data signals pass between the telephone (1) and the interface unit (11), and a modem (14) is used to transmit and receive these signals over the communication path. If a microwave link or coaxial cable is used, r.f. speech and data signals may be passed between the telephone and the interface unit (11). A single interface unit may be used to provide connections for a plurality of telephones.

