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(21) International Application Number: PCT/US96/06299 (22) International Filing Date: 3 May 1996 (03.05.96) (30) Priority Data: 08/435,709 4 May 1995 (04.05.95) US 08/435,838 4 May 1995 (04.05.95) US 60/006,454 10 November 1995 (10.11.95) US (71) Applicant (for all designated States except US): INTERWAVE COMMUNICATIONS INTERNATIONAL, LTD. [-/-]; c/o Codan Services, Ltd., Clarendon House, 1 Church Street, Hamilton HM DX (BM). (71)(72) Applicant and Inventor: LU, Priscilla, Marilyn [US/US]; 718 Best Court, San Carlos, CA 94070 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): WHITE, Timothy, R. [US/US]; 1040 Emerson Street, Palo Alto, CA 94301 (US). (74) Agents: NGUYEN, Joseph, A. et al.; Hickman, Beyer & Weaver, P.O. Box 61059, Palo Alto, CA 94304 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, 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> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>

(54) Title: CELLULAR ADJUNCT TO A PUBLIC WIRED NETWORK**(57) Abstract**

A cellular adjunct system for extending telephone service provided by a wired telephone network to cellular handsets without incurring the costs associated with implementing a full-featured cellular system. The cellular adjunct system includes a base station subsystem and a cellular adjunct control block. The base station subsystem includes radio resource management facilities for permitting the plurality of cellular handsets to communicate with the base station subsystem in a cellular manner. The cellular adjunct control block, which is coupled between the base station subsystem and switching networks in the public wired telephone network, includes a registry, a mobile switching center, and a mini-central office. From the perspective of the public wired telephone network, the cellular handsets appear to be wired telephone sets that are managed by the cellular adjunct control block. The fact that the cellular adjunct system offers wireless advantages typically associated with a standard full-featured cellular system is transparent to the public wired telephone network. When subscriber management for the cellular handsets is handled by the public wired telephone network, the implementation of the cellular adjunct system is substantially simplified.

