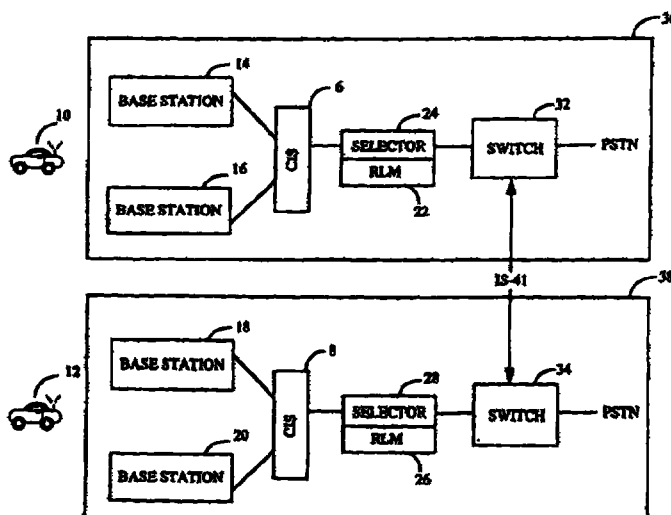


PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: H04Q 7/38, 7/32, H04B 7/005	A1	(11) International Publication Number: WO 97/34439 (43) International Publication Date: 18 September 1997 (18.09.97)
(21) International Application Number: PCT/US97/03957 (22) International Filing Date: 11 March 1997 (11.03.97) (30) Priority Data: 614,562 13 March 1996 (13.03.96) US (71) Applicant: QUALCOMM INCORPORATED [US/US]; 6455 Lusk Boulevard, San Diego, CA 92121 (US). (72) Inventors: ZIV, Noam, A.; 10968 Corte Playa Barcelona, San Diego, CA 92124 (US). TIEDEMANN, Edward, G., Jr.; 4350 Bromfield Avenue, San Diego, CA 92122 (US). (74) Agents: MILLER, Russell, B. et al.; Qualcomm Incorporated, 6455 Lusk Boulevard, San Diego, CA 92121 (US).		(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, 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, UZ, VN, 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 <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: METHOD AND APPARATUS FOR PROVIDING CENTRALIZED POWER CONTROL ADMINISTRATION FOR A SET OF BASE STATIONS

**(57) Abstract**

Method and apparatus for providing centralized power control in a communication system, in which each base station (14, 16, 18, 20) in the system operates to control both the forward link and the reverse link power. A radio link manager (22) provides a common threshold for determining the proper power level of the reverse link signal at each base station (14, 16, 18, 20). The radio link manager (22) also provides a ratio of the forward link signal strength to a pilot signal strength to control forward link power control. The radio link manager (22) provides the threshold and ratio uniformly to all base stations (14, 16, 18, 20) to provide a uniform operating point for all base stations (14, 16, 18, 20) in the system, thus, increasing capacity. The same centralized power control is easily expanded to provide a mechanism for intersystem soft handoff.