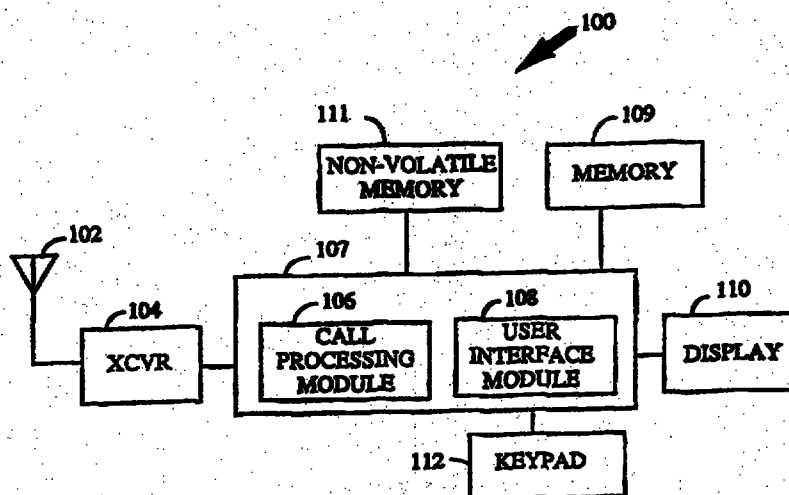




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H04Q 7/00	A2	(11) International Publication Number: WO 98/39938 (43) International Publication Date: 11 September 1998 (11.09.98)
(21) International Application Number: PCT/US98/04801 (22) International Filing Date: 4 March 1998 (04.03.98) (30) Priority Data: 08/813,499 7 March 1997 (07.03.97) US (71) Applicant: QUALCOMM INCORPORATED [US/US]; 6455 Lusk Boulevard, San Diego, CA 92121 (US). (72) Inventors: AULT, Jan, C.; 9619 Cecilwood Drive, Santee, CA 92071 (US). HUGHES, Robbin, D.; 10760 Aderman Avenue #87, San Diego, CA 92126 (US). SOLIMAN, Samir, S.; 11412 Cypress Canyon Park Drive, San Diego, CA 92131 (US). (74) Agents: OGROD, Gregory, D. 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, GH, GM, GW, HU, ID, 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, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), 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 Without international search report and to be republished upon receipt of that report.

(54) Title: A WIRELESS COMMUNICATION DEVICE AND METHOD



(57) Abstract

A wireless communication device (100) automatically and seamlessly switches to an alternate, available system when it is unable to complete a call origination attempt, without requiring the user to take any affirmative actions to select the alternate system or re-initiate a call origination. The wireless communication device (100) comprises a transceiver (104) and a processor (107). The transceiver (104) transmits and receives messages and signals. The processor (107) generates a first signaling message for transmission to a first communication system and generates a second signaling message for transmission to a second communication system if the transceiver does not receive an acknowledgement message from the first communication system. This decreases the percentage of call failures by providing a hold-over of pending call origination attempts until service is finally acquired. In the case of either exceeding the maximum number of access sequences (reverse link limited) or failure to acquire the forward link of the preferred communication system (forward link limited), the user is not required to re-initiate the call origination, thus turning a potential call failure into a success.