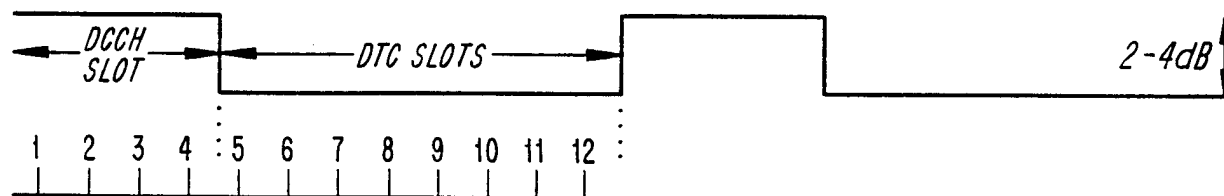




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(21) International Application Number: PCT/US97/22139 (22) International Filing Date: 12 December 1997 (12.12.97) (30) Priority Data: 08/774,422 30 December 1996 (30.12.96) US (71) Applicant: ERICSSON, INC. [US/US]; 7001 Development Drive, Research Triangle Park, NC 27709 (US). (72) Inventors: TOOT, Carl, Bray, Jr.; 4320 South Mountain Drive, Raleigh, NC 27603 (US). ANDERSON, Keith, William; 132 Wicklow Lane, Durham, NC 27713 (US). (74) Agents: GRUDZIECKI, Ronald, L. et al.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313-1404 (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, 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 <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> (88) Date of publication of the international search report: 29 October 1998 (29.10.98)

(54) Title: CHANNEL STRENGTH MEASUREMENT SHIFTING SCHEME**(57) Abstract**

In a radiocommunication system including at least one base station and a mobile station connected across a first radio channel to the base station, the signal strengths of the first radio channel and neighboring radio channels are measured in the mobile station to determine whether reselection to a neighboring radio channel is necessary. Each radio channel is measured at various points in a frame period or in different frame periods, the measurements occurring in different time slots. The points at which the signal strength measurements of each radio channel are made may be rotated among the different frame periods, the measurements may be made at random points in the different frame periods, or the starting times of the measurements may be rotated among or occur randomly in the different frame periods. Alternately, the signal strengths of each radio channel may be measured at different points in a single frame period. The measurements of the signal strength of the each radio channel are averaged, and the averaged measurements are compared to determine whether reselection from the first radio channel to a neighboring radio channel is necessary.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 97/22139

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 H04Q7/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 H04B H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 353 288 A (ABDESSELEM OUELID ET AL) 4 October 1994 see abstract; figure 1 see column 1, line 43 - column 2, line 14 ---	1,6-9, 14-17, 22-24
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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