



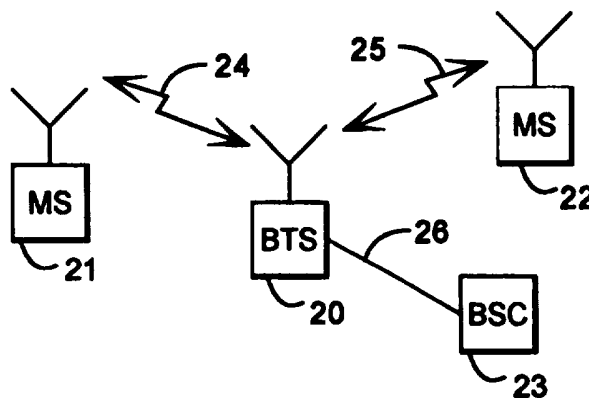
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(21) International Application Number: PCT/FI95/00516 (22) International Filing Date: 21 September 1995 (21.09.95) (30) Priority Data: 944395 22 September 1994 (22.09.94) FI (71) Applicant (for all designated States except US): NOKIA TELECOMMUNICATIONS OY [FI/FI]; Mäkkylän puisto- tie 1, FIN-02600 Espoo (FI). (72) Inventors; and (75) Inventors/Applicants (for US only): HONKASALO, Harri [FI/FI]; Melkonkatu 8 B 29, FIN-00210 Helsinki (FI). JOLMA, Petri [FI/FI]; Harakkakuja 6 G 49, FIN-02600 Espoo (FI). LIIMATAINEN Jukka [FI/FI]; Torikatu 64 B 224, FIN-90120 Oulu (FI). (74) Agent: TEKNOPOLIS KOLSTER OY; Oy Kolster Ab, Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).		(81) Designated States: AM, AT, AU, 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, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, 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), ARIPO patent (KE, MW, SD, SZ, UG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i> <i>In English translation (filed in Finnish).</i> (88) Date of publication of the international search report: 9 May 1996 (09.05.96)

(54) Title: A METHOD FOR CONTROLLING TRANSMITTING POWER, AND A CELLULAR RADIO SYSTEM

(57) Abstract

The invention relates to a method for controlling transmitting power in a cellular radio system comprising in each cell at least one base station (20) communicating with subscriber terminal equipments (21-22) located within its area, in which method the base station measures the power level of a signal received by it from a terminal equipment, and the terminal equipment measures the power level of a signal received by it from the base station, and reports the result to the base station. For enabling fast and accurate power control in the method of the invention, the base station (20) compares the measurement results transmitted by the terminal equipment with its own measurement results, and controls the transmitting power of the terminal equipment and its own transmitting power on the basis of the comparison of the measurement results.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 95/00516

A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04B 7/005

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)

IPC6: H04B, H04Q

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

SE,DK,FI,NO classes as above

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	EP 0615353 A1 (ALCATEL RADIOTELEPHONE), 14 Sept 1994 (14.09.94), see the whole document, especially the Abstract and claims 1-14 --	1-5
X	US 5321721 A (T. YAMAURA ET AL.), 14 June 1994 (14.06.94), column 14, line 58 - column 15, line 20; column 18, line 40 - column 19, line 35 --	1-5
X	US 5003619 A (J.P. MORRIS ET AL.), 26 March 1991 (26.03.91), column 2, line 54 - column 3, line 32; column 6, line 9 - line 48 --	1-2,4-5

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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A	WO 9307702 A1 (QUALCOMM INCORPORATED), 15 April 1993 (15.04.93), abstract --	1-5
A	WO 9209156 A1 (SCS MOBILECOM, INC.), 29 May 1992 (29.05.92), page 4, line 17 - line 33 -- -----	1-5

INTERNATIONAL SEARCH REPORT

Information on patent family members

05/02/96

International application No.

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