



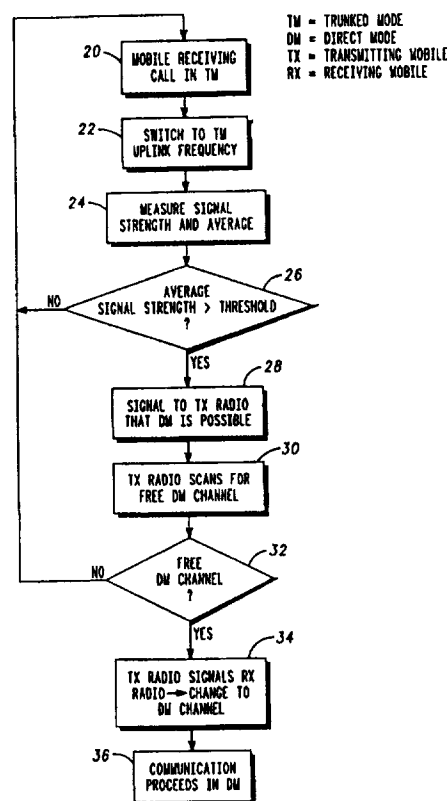
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(21) International Application Number: PCT/EP97/03965 (22) International Filing Date: 21 July 1997 (21.07.97) (30) Priority Data: 9616296.1 2 August 1996 (02.08.96) GB (71) Applicant (for all designated States except US): MOTOROLA LIMITED [GB/GB]; Jays Close, Viabes Industrial Estate, Basingstoke, Hampshire RG22 4PD (GB). (72) Inventor; and (75) Inventor/Applicant (for US only): AITKENHEAD, Gary, John [GB/GB]; 34 Strawberry Fields, Bramley, Hampshire RG26 5QF (GB). (74) Agents: IBBOTSON, Harry et al.; Motorola, European Intellectual Property Operations, Midpoint, Alencon Link, Basingstoke, Hampshire RG21 7PL (GB).			(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, US, UZ, VN, ARIPO patent (GH, 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: 19 March 1998 (19.03.98)

(54) Title: METHOD OF DETERMINING COMMUNICATIONS MODE

(57) Abstract

A method of determining whether to communicate or handover between trunked mode and direct mode in a communications system having a first mobile station and a second mobile station communicating via a base station using a first frequency on an uplink communication and a second frequency on a downlink communication. The method includes receiving a transmitted signal from the first mobile station on the first frequency at the second mobile station and at the base station, receiving the transmitted signal from the base station on the second frequency at the second mobile station, and determining whether to communicate in direct mode based on the received signals.



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INTERNATIONAL SEARCH REPORT

Internat Application No
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A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 H04Q7/28 H04B7/26 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 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	PATENT ABSTRACTS OF JAPAN vol. 095, no. 004, 31 May 1995 & JP 07 023464 A (MITSUBISHI ELECTRIC CORP), 24 January 1995, see abstract	1-7
A	WO 95 34180 A (NOKIA TELECOMMUNICATIONS OY ; HEISKARI MIKA (FI); LEHMUSTO MIKA (FI) 14 December 1995 see page 2, line 16Q - page 4, line 16 see page 6, line 3 - page 7, line 28 see page 8, line 22 - page 9, line 6	1-7
A	US 5 423 055 A (DIAZ RAFAEL ET AL) 6 June 1995 see the whole document	1,4-7

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☒ Patent family members are listed in annex.

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