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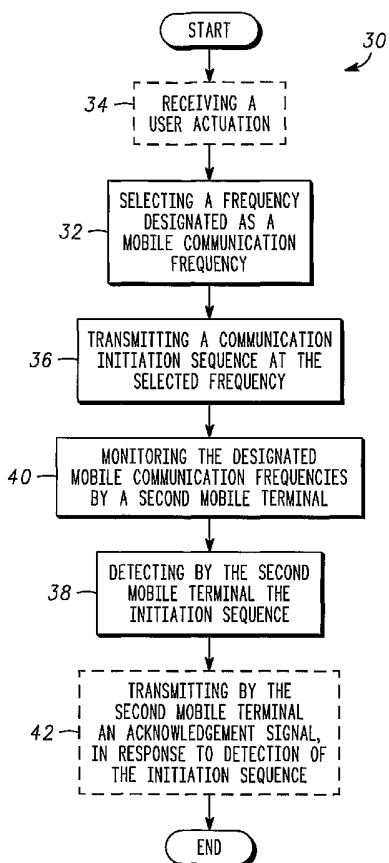
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR ESTABLISHING DIRECT MOBILE TO MOBILE COMMUNICATION BETWEEN CELLULAR MOBILE TERMINALS



(57) Abstract: The present invention provides a method for establishing direct mobile to mobile communication between cellular mobile terminals. The method includes selecting a frequency designated as a mobile communication frequency within a cellular communication system, and transmitting a communication initiation sequence at the selected frequency by a first mobile terminal. A second mobile terminal then monitors the designated mobile communication frequencies, and detects the communication initiation sequence. In at least one embodiment, selecting a frequency includes determining the region in which the first mobile terminal is operating, and selecting a mobile communication frequency for the determined region. In at least a further embodiment, the mobile communication frequency is a mobile transmission frequency for the determined region. In at least a still further embodiment, selecting a frequency includes selecting a frequency that is designated as a mobile transmit frequency in a first supported region and is designated as a mobile receive frequency in a second supported region.

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USPC: 455/452.2,423,067.11

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)

U.S. : 455/452.2, 423, 067.11, 515, 518, 519, 520, 521, 456.1, 550.1

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 practicable, 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,E ---	US 20050085253 A1 (MANSOUR) 21 April 2005, para. 0027, 0038.	1,2,11-21,23,28 -----
Y,E		3-10,22,24-27
Y,P	US 2004/0116132 A1 (HUNZINGER et al.) 17 June 2004, para. 0026, 0029-0039.	3-5,7-10,22
Y,P	US 6,819,919 B1 (TANAKA) 16 November 2004, col. 3, lines 7-12.	6
Y	US 6,584,090 B1 (ABDELGANY et al.) 24 June 2003, col. 13, lines 8-11, 37-39.	24; 26
Y	US 6,208,844 B1 (ABDELGANY) 27 March 2001, col. 6, lines 36-41; col. 7, lines 31-36.	25, 27

Further documents are listed in the continuation of Box C.

See patent family annex.

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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