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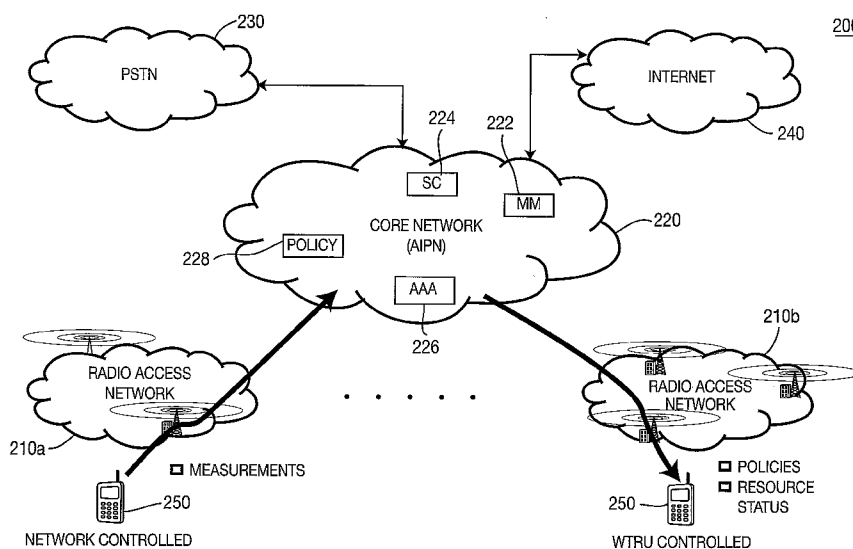
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(54) Title: METHOD AND SYSTEM FOR SUPPORTING AN EVOLVED UTRAN



(57) **Abstract:** A method and system for supporting an evolved universal mobile telecommunication systems (UMTS) terrestrial radio access network (E-UTRAN) are disclosed. The system includes a wireless transmit/receive unit (WTRU), a UTRAN and an E-UTRAN. The UTRAN sends to the WTRU a list of available radio access technologies in a coverage area of the UTRAN. The list includes information related to the E-UTRAN. The WTRU receives the list and may initiate a handoff based on the list. The WTRU then sends its multi-mode/multi- RAI capability information including the E-UTRAN capability to the UTRAN. The UTRAN then sends a measurement capability message to the WTRU. The measurement capability message includes parameters necessary for performing measurements on an E-UTRAN channel. The WTRU performs measurements based on the measurement capability message and reports measurement results to the UTRAN. The UTRAN may initiate a handoff to the E-UTRAN based on the measurement results.

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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US 06/27628

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(8) - H04B 7/208 (2007.01)

USPC - 370/344

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)

USPC: 370/335,281,218,352;455/445;

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)

Electronic data base: USPTO WEST(USPT,PGPB,EPAB,JPAB); DialogPRO(Engineering)

Search terms used: UTRAN or UMTS,wireless transmit/receive or WTRU,RAT or multi-RAT,handoff or handover,BCCH,cell list,OFDM,base station identifier,measure frequency and bandwidth and power

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2005/0020297 A1 (AXNESS et al.) 27 January 2005 (27.01.2005) [Fig. 2, para 19 ln 4, para 3 ln 4-7, para 15]	1-42
Y	US 2003/0013443 A1 (WILLARS et al.) 16 January 2003 (16.01.2003) [para 31 ln 8-11, para 19 ln 3, para 33 ln 7-8]	1-42

Further documents are listed in the continuation of Box C.

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“A” document defining the general state of the art which is not considered to be of particular relevance

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“&” document member of the same patent family

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