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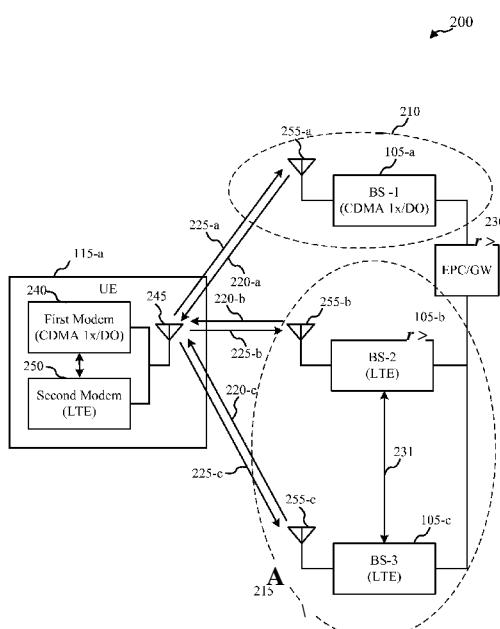
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[Continued on nextpage]

(54) Title: ENHANCED INTER-RAT MOBILITY SUPPORT USING INTER-RAT CHANNEL AVOIDANCE



(57) Abstract: Methods, systems, and devices are described for improving inter-network mobility performance in multiple network wireless communication systems by using channel avoidance information from a first network using a first radio access technology (RAT) to modify inter-RAT behavior of a second network using a second RAT. In some embodiments, the second network queries the first network for channel avoidance information and applies the channel avoidance information in suppressing inter-RAT channel measurements, avoiding inter-RAT redirection, and/or avoiding inter-RAT reselection. In embodiments, inter-RAT channel measurement suppression, inter-RAT redirection avoidance, and/or inter-RAT reselection avoidance is performed by the mobile device. In other embodiments, channel avoidance information of the first network may be communicated to other network entities of the second network and one or more of these entities may modify various inter-RAT behaviors.

FIG. 2



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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)
H04W

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)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 2 247 142 A1 (RESEARCH IN MOTION LTD [CA]) 3 November 2010 (2010-11-03) paragraph [0027] - paragraph [0030] ----- A US 2011/269453 A1 (RANTA-AHO KARRI MARKUS [US] ET AL) 3 November 2011 (2011-11-03) claim 1 -----	1-50 1-50



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INTERNATIONAL SEARCH REPORT

Information on patent family members

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