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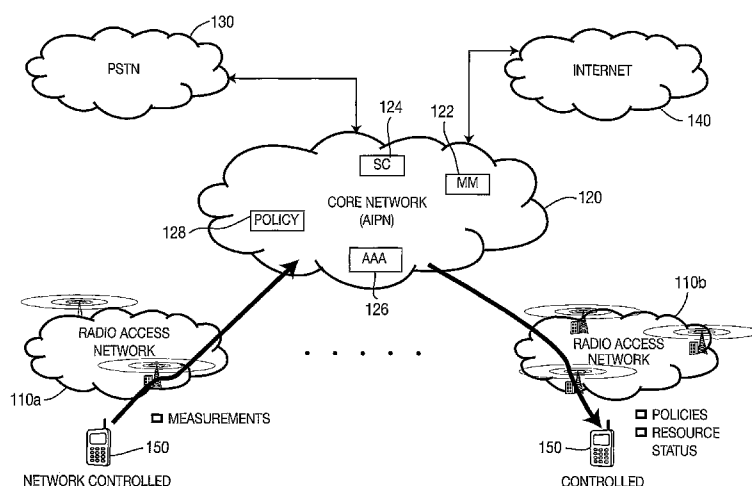
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(54) Title: METHOD AND APPARATUS FOR IMPLEMENTING A HANDOFF BETWEEN RADIO ACCESS NETWORKS DEPLOYED UNDER DIFFERENT RADIO ACCESS TECHNOLOGIES



(57) Abstract: A method and apparatus for implementing a handoff between radio access networks (RANs) (110a) deployed under different radio access technologies (RATs) are disclosed. A wireless transmit/receive unit (WTRU) (150) is equipped with at least two radio units to support the RATs. Each RAN sends a list of co-located RANs in the coverage area of the RAN to the WTRU. The WTRU stores the list and determines whether handoff criteria is met by one of the co-located RANs. The WTRU then initiates a handoff from a current RAN to a target RAN if the handoff criteria is met by the target RAN (110a). Alternatively, the WTRU may send a measurement report to the current RAN, whereby the current RAN determines whether handoff criteria is met by a selected one of the co-located RANs and initiate a handoff to the selected RAN if the handoff criteria is met.