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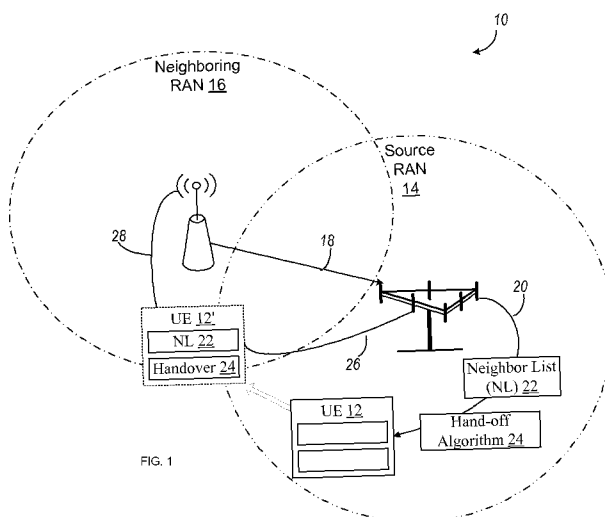
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*[Continued on next page]*

- (54) Title:** METHOD AND APPARATUS FOR INTER-SYSTEM HANDOVER



- (S7) Abstract:** An inter-system handover system for a wireless communication system supports hand-down and hand-up of user equipment (UE) to different radio access technologies, including synchronous and asynchronous systems. Latency and handover connection failures are reduced by an access node (nodeB) broadcasting information about neighboring systems (targets) when the UE reception (RX) capability is both inside or outside the reception range of the target. A single RX chain is sufficient, although transitioning between a wireless wide area network (WWAN) to a wireless local area network (WLAN) may advantageously benefit from simultaneous operation on two Rx chains. Optimized list of neighboring RAT systems (targets) are broadcast from the network, including measurement parameters and reporting instructions. Thereby, UE-driven reporting minimizes latencies. UE reports other-system searches to network only if needed for a handover. In addition, handover requests can be bundled with other-system measurement information, if necessary, for additional efficiencies.



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**Declarations under Rule 4.17:**

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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