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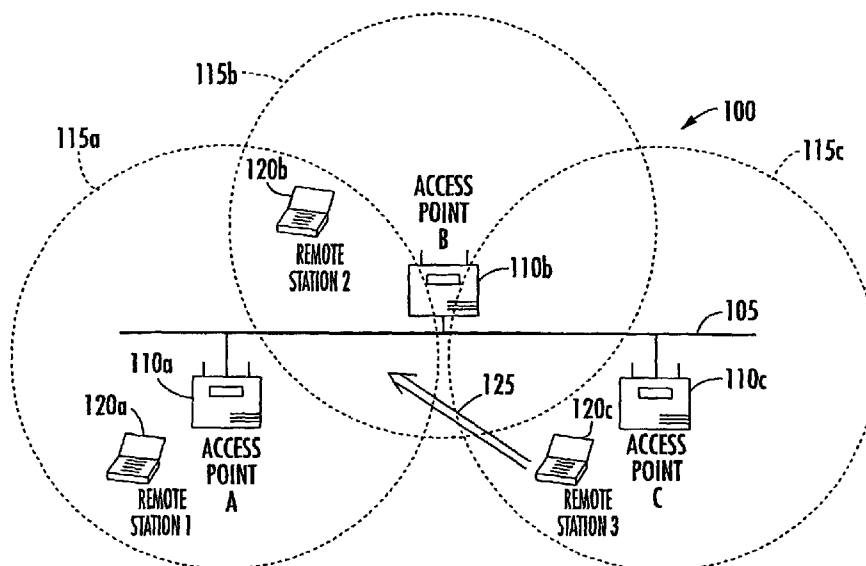
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[Continued on next page]

(54) Title: ANTENNA STEERING FOR AN ACCESS POINT BASED UPON PROBE SIGNALS



(57) Abstract: A method for operating an access point in a wireless local area network is provided. The access point (110A, 100B and 110C) includes a directional antenna for communicating with a plurality of remote stations (120a, 120b and 120c) and the directional antenna includes an omni angle and a plurality of directional angles. The method includes selecting one of the remote stations from a plurality of remote stations, transmitting a first probe signal via the omni angle directional antenna to the selected remote station and measuring a first probe response signal received via the omni angle from the selected remote station responding to the first signal. Than doing the same for a second probe signal, where the first probe response signal and the second probe response signal from the selected remote station are stored in an antenna database.

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