

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 December 2004 (29.12.2004)

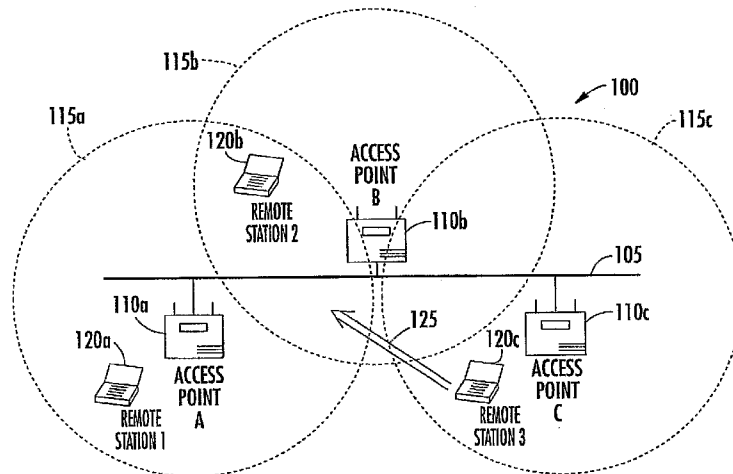
PCT

(10) International Publication Number
WO 2004/114460 A2

- (51) International Patent Classification⁷: **H01Q** Island, FL 32935 (US). **REGNIER, John, A.**; 1621 Henley Road NW, Palm Bay, FL 32907 (US).
- (21) International Application Number: PCT/US2004/019604 (74) Agents: **TAYLOR, Michael, W.** et al.; Allen, Dyer, Doppelt, Milbrath & Gilchrist, P.A., 255 S. Orange Avenue, Suite 1401, P.O. Box 3791, Orlando, FL 32802-3791 (US).
- (22) International Filing Date: 18 June 2004 (18.06.2004)
- (25) Filing Language: English (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (26) Publication Language: English
- (30) Priority Data:
60/479,701 19 June 2003 (19.06.2003) US
10/870,696 17 June 2004 (17.06.2004) US
- (71) Applicant (for all designated States except US): **IPR LICENSING, INC.** [US/US]; 300 Delaware Avenue, Suite 527, Wilmington, DE 19801 (US).
- (72) Inventors: **HOFFMANN, John, E.**; 516 Latania Palm Drive, Indialantic, FL 32903 (US). **JOHNSON, Kevin, P.**; 605 Pinehurst Circle NE, Palm Bay, FL 32905 (US). **NELSON, George, Rodney, Jr.**; 207 Sykes Loop Drive, Merritt
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[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 (WLAN) is provided. The access point includes a directional antenna for communicating with a plurality of remote stations, and the directional antenna includes an omni angle and a plurality of directional angles. The method includes selecting one of the remote stations from the plurality of remote stations, transmitting a first probe signal via the omni angle of the 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 probe signal. A respective second probe signal is transmitted via each one of the plurality of directional angles of the directional antenna to the selected remote station, and a second probe response signal received via each directional angle from the selected remote station responding to the respective second probe signal is measured. The measured first probe response signal and the respective measured second probe response signals from the selected remote station are stored in an antenna database.

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SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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