

(19) World Intellectual Property
Organization
International Bureau



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

PCT

(10) International Publication Number
WO 2004/114459 A3

(51) International Patent Classification⁷: **H04Q 7/24**

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(21) International Application Number:
PCT/US2004/019507

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(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
10/870,718 17 June 2004 (17.06.2004) US

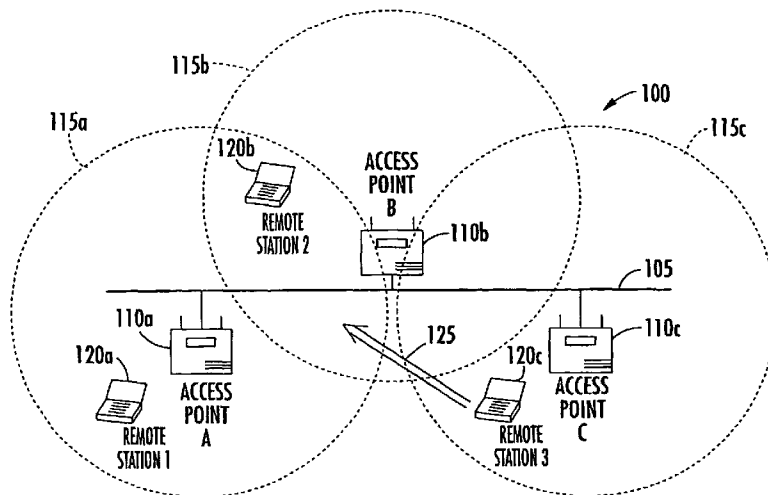
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(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

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(54) Title: ANTENNA STEERING FOR AN ACCESS POINT BASED UPON CONTROL FRAMES



(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 at least one remote station in a forward link based upon an exchange of packet data comprising a plurality of control frames and a data frame. The directional antenna includes a plurality of antenna patterns. The method includes receiving a first control frame via a first antenna pattern of the directional antenna from the remote station, transmitting a first data frame to the remote station, and receiving a second control frame via a second antenna pattern of the directional antenna from the remote station. A signal quality of the first control frame received via the first antenna pattern and a signal quality of the second control frame received via the second antenna pattern are measured. The respective measured signal qualities associated with the first and second antenna patterns are compared.

WO 2004/114459 A3



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

(88) Date of publication of the international search report:

6 May 2005

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.