

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 May 2008 (22.05.2008)

PCT

(10) International Publication Number
WO 2008/061045 A2

- (51) International Patent Classification:
H04L 1/06 (2006.01) *H04L 1/20* (2006.01)
- (21) International Application Number:
PCT/US2007/084377
- (22) International Filing Date:
10 November 2007 (10.11.2007)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/865,313 10 November 2006 (10.11.2006) US
11/937,472 8 November 2007 (08.11.2007) US
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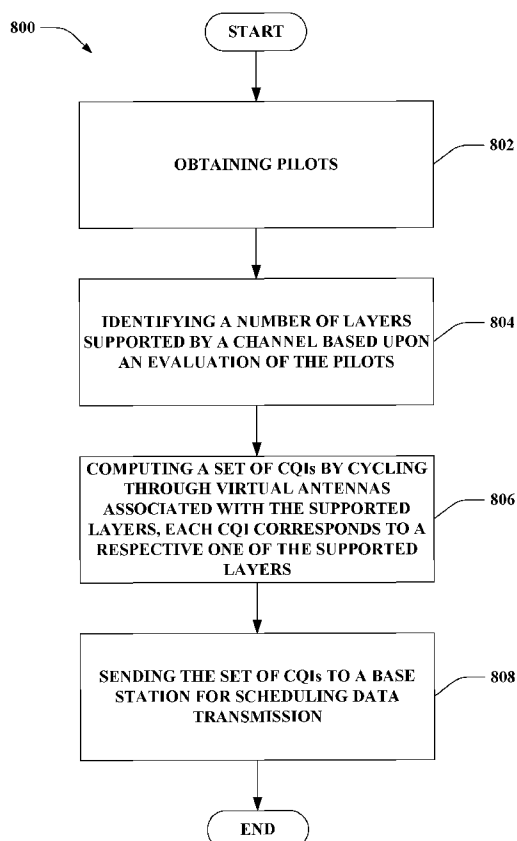
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: PROVIDING ANTENNA DIVERSITY IN A WIRELESS COMMUNICATION SYSTEM



(57) Abstract: Systems and methodologies are described that facilitate cycling across antennas for channel quality information (CQI) computation and data transmission in a multiple-input multiple-output (MIMO) wireless communication environment. Pilots can be obtained by a wireless terminal. Further, virtual antennas that can be supported by a channel can be identified based upon an analysis of the pilots. Moreover, CQI computations can be effectuated for each of the supported virtual antennas; thereafter, the CQI data can be sent to a base station for data transmission scheduling. Additionally, the base station can schedule transmission based upon the CQI data and/or fairness considerations. When scheduled, data transmission can occur by cycling across the supported virtual antennas.



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, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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

Published:

— *without international search report and to be republished upon receipt of that report*

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*