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(54) Title: METHOD AND APPARATUS TO OPTIMALLY DIRECT STATIONS IN MACRO-MICRO WIRELESS CELL

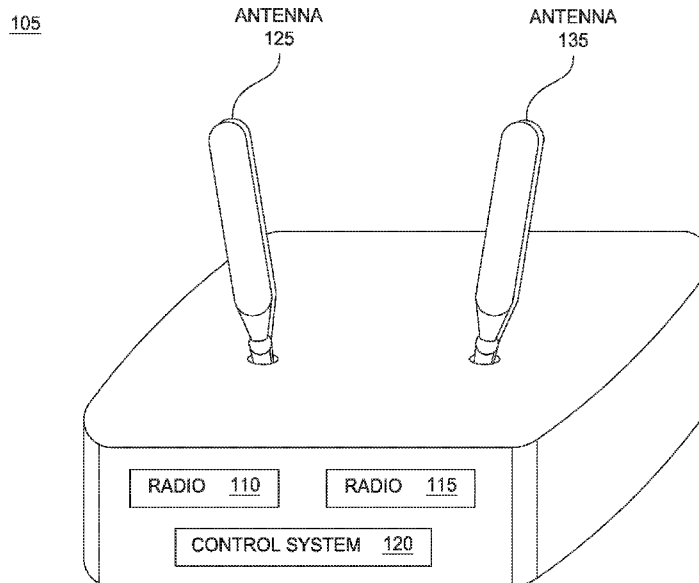


FIG. 1

(57) Abstract: Embodiments herein describe using a dual access point (AP) to establish two access points that both are established by two individual radios (e.g., two 5GHz radios). Generally, APs experience highly degraded performance when two co-located radios operate within the same band. In one embodiment, AP devices can deploy same band radios using a macro-micro cell approach. Thus, the AP may intelligently hand off client devices between the micro and macro cell in a way that optimizes the system for overall throughput and low packet latency while creating minimal oscillation of clients between cells. The embodiments in this disclosure disclose techniques that direct clients in a manner that optimizes these factors.





GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H04W

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, INSPEC, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 158 824 A2 (LUCENT TECHNOLOGIES INC [US]) 28 November 2001 (2001-11-28) paragraph [0003] - paragraph [0015]; figures 1, 2, 3	1-20
A	----- EP 2 475 219 A1 (ALCATEL LUCENT [FR]) 11 July 2012 (2012-07-11) abstract -----	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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