

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
29 August 2024 (29.08.2024)



(10) International Publication Number
WO 2024/178083 A1

(51) International Patent Classification:

H04W 36/00 (2009.01) H04R 1/10 (2006.01)
H04W 36/30 (2009.01) H04R 5/033 (2006.01)
H04W 84/12 (2009.01)

(21) International Application Number:

PCT/US2024/016675

(22) International Filing Date:

21 February 2024 (21.02.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/486,211 21 February 2023 (21.02.2023) US
18/581,259 19 February 2024 (19.02.2024) US

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,

(54) Title: SEAMLESS TRANSITIONS FOR EXTENDED PERSONAL AREA NETWORK (XPAN) COVERAGE

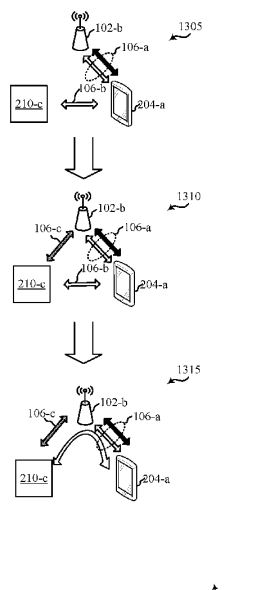


Figure 13

(57) Abstract: Methods, systems, and devices for wireless communications are described. Techniques described herein provide for extending the range of a personal audio device connected to a personal wireless communication device via enabling the personal audio device to connect to and communicate with the personal wireless communication device via an access point (AP). An AP may have a larger range than a personal wireless communication device, and accordingly, an AP may be used to stream audio or voice calls to the personal audio device when the direct link quality between the personal audio device and the personal wireless communication device is below a threshold. To reduce latency and packet loss associated with transitions between communicating with the personal wireless communication device directly and via the AP or transitions between multiple APs, the personal audio device may be configured to establish a new wireless communication connection before breaking a current wireless communication connection.

[Continued on next page]

DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA,
NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO,
RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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).

Published:

— with international search report (Art. 21(3))
