

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 November 2024 (07.11.2024)



(10) International Publication Number
WO 2024/227358 A1

- (51) **International Patent Classification:**
H04W 72/542 (2023.01)
- (21) **International Application Number:**
PCT/CN2023/143220
- (22) **International Filing Date:**
29 December 2023 (29.12.2023)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (71) **Applicant: LENOVO (BEIJING) LIMITED** [CN/CN]; 6 Shangdi West Road, Haidian District, Beijing 100085 (CN).
- (72) **Inventors: LIU, Hongmei;** Lenovo Hq, No.10 Xibeiwang East Road, Haidian District, Beijing 100094 (CN). **LIU, Bingchao;** Lenovo Hq, No.10 Xibeiwang East Road, Haidian District, Beijing 100094 (CN). **WANG, Jianfeng;** Lenovo Hq, No.10 Xibeiwang East Road, Haidian District, Beijing 100094 (CN).
- (74) **Agent: LEE AND LI-LEAVEN IPR AGENCY LTD.;** Unit 2202, Tower A, Beijing Pudi Hotel, No. 7, Jian Guo Men South Avenue, Dongcheng District, Beijing 100005 (CN).

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))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
- upon request of the applicant, before the expiration of the time limit referred to in Article 21(2)(a)

- (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, 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,

(54) **Title:** METHOD AND APPARATUS OF SUPPORTING DATA COLLECTION

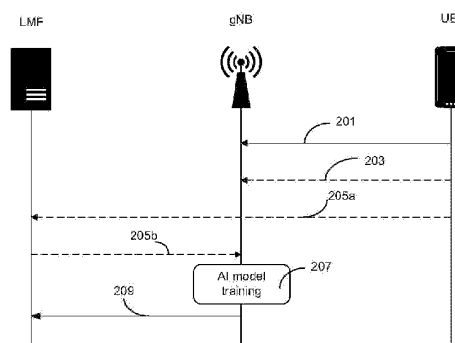


Figure 2

(57) **Abstract:** Various aspects of the present disclosure relate to a method and apparatus of supporting data collection. An exemplary method performed by a UE may include: receiving a signaling indicating a reporting of positioning related assistant information, and reporting positioning related assistant information associated with one or more UL RS transmissions based on the received signaling.

WO 2024/227358 A1