



(51) International Patent Classification:
H04W 24/02 (2009.01)

(21) International Application Number:
PCT/CN2023/131051

(22) International Filing Date:
10 November 2023 (10.11.2023)

(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: **ZHANG, Congchi**; Lenovo HQ East, Building
No. 1, No. 10 Xibeiwang East Road, Haidian District, Bei-
jing 100094 (CN). **THOMAS, Robin Rajan**; Lenovo HQ
East, Building No. 1, No. 10 Xibeiwang East Road, Haidian
District, Beijing 100094 (CN).

(74) Agent: **KING & WOOD MALLESONS**; 20th Floor,
East Tower, World Financial Centre, No. 1 Dongsanhuan
Zhonglu, Chaoyang District, Beijing 100020 (CN).

(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,
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)

(54) Title: DEVICES AND METHODS FOR DATA COLLECTION

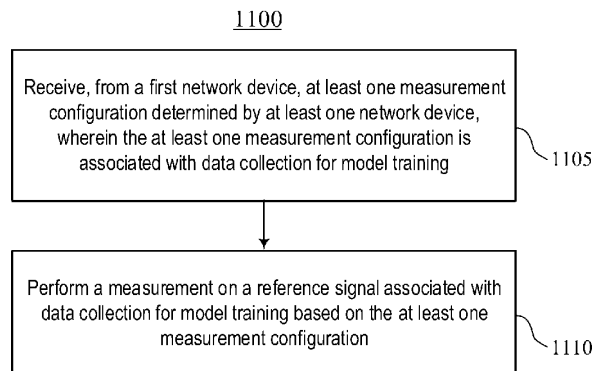


Fig. 11

(57) Abstract: Various aspects of the present disclosure relate to data collection. In an aspect, a user equipment receives, from a first network device, at least one measurement configuration determined by at least one network device, and the at least one measurement configuration is associated with data collection for model training. The user equipment performs a measurement on a reference signal associated with data collection for model training based on the at least one measurement configuration. In this way, the user equipment may be configured to ensure continuous training data collection when UE is moving across cells or gNBs. Therefore, the performance of communication is improved.

