



(51) International Patent Classification:
H04W 68/00 (2009.01)

(21) International Application Number:
PCT/CN2024/073214

(22) International Filing Date:
19 January 2024 (19.01.2024)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant: **LENOVO (BEIJING) LIMITED** [CN/CN];
Lenovo HQ East, Building No. 1, No. 10 Xibeiwang East
Road, Haidian District, Beijing 100085 (CN).

(72) Inventors: **LIU, Luning**; Lenovo HQ East, Building No.
1, No. 10 Xibeiwang East Road, Haidian District, Beijing
100094 (CN). **HAN, Jing**; Lenovo HQ East, Building No.
1, No. 10 Xibeiwang East Road, Haidian District, Beijing
100094 (CN). **HU, Jie**; Lenovo HQ East, Building No.
1, No. 10 Xibeiwang East Road, Haidian District, Beijing
100094 (CN). **WANG, Haiming**; Lenovo HQ East, Build-
ing No. 1, No. 10 Xibeiwang East Road, Haidian District,
Beijing 100094 (CN). **YANG, Lihua**; Lenovo HQ East,
Building No. 1, No. 10 Xibeiwang East Road, Haidian Dis-
trict, Beijing 100094 (CN).

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

(54) Title: PAGING MESSAGES FOR DEVICES

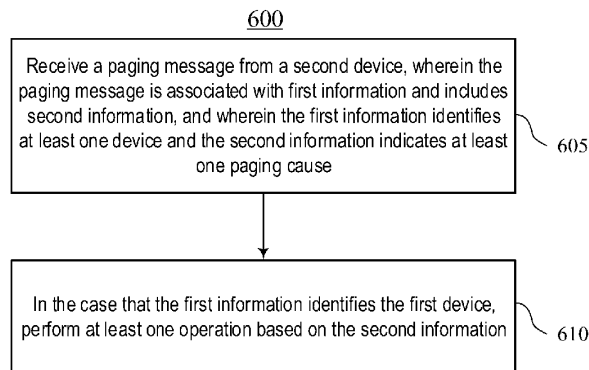


FIG. 6

(57) Abstract: Various aspects of the present disclosure relate to paging messages for devices, for example, ambient Internet of Things (IoT) devices. In an aspect, a first device receives a paging message from a second device. The paging message is associated with first information and includes second information. The first information identifies at least one device and the second information indicates at least one paging cause. In the case that the first information identifies the first device, the first device performs at least one operation based on the second information. In this way, the content of the paging message is re-designed and optimized for devices, such as, ambient IoT devices, thereby enabling paging procedure for the ambient IoT devices and improving efficiency of paging procedures for these devices.

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)