



- (51) **International Patent Classification:**
H04W 52/02 (2009.01)
- (21) **International Application Number:**
PCT/CN2023/114321
- (22) **International Filing Date:**
22 August 2023 (22.08.2023)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (71) **Applicant:** **LENOVO (BEIJING) LTD.** [CN/CN]; 6 Shangdi West Road, Haidian District, Beijing 100085 (CN).
- (72) **Inventors:** **YAN, Zhi**; Room 614, Building 6, Nanhuali, Xicheng District, Beijing 100052 (CN). **LIU, Hongmei**; Room 601, Unit 1, Building 4, Xingnaxianjiayuan First Area, Changping District, Beijing 102208 (CN). **ZHANG, Yuantao**; Rm.3501, Bldg.Jia-4, Hepingli First Area, Dongcheng District, Beijing 100013 (CN). **MA, Ruixiang**; #6 Shangdi West Road, Haidian District, Beijing 100085 (CN).
- (74) **Agent:** **CHINA SINDA INTELLECTUAL PROPERTY LTD.**; 11/F, Tower B, Focus Place, 19 Financial Street, Xicheng District, Beijing 100033 (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:** LOW POWER WUS ACTIVATION AND DEACTIVATION CONFIGURATION

(57) **Abstract:** Various aspects of the present disclosure relate to methods, apparatuses, and systems that support WUS activation and deactivation configuration. Some implementations of the method and apparatuses described herein may further include a user equipment (UE) for wireless communication, comprising: at least one memory; and at least one processor coupled with the at least one memory and configured to cause the UE to: receive, in main radio (MR), a configuration of lower power wake-up signal (LP-WUS) to be transmitted in lower power wake-up radio (LP-WUR); and switch between operation in MR and operation in LP-WUR, according to an explicit indication or pre-configured condition (s).

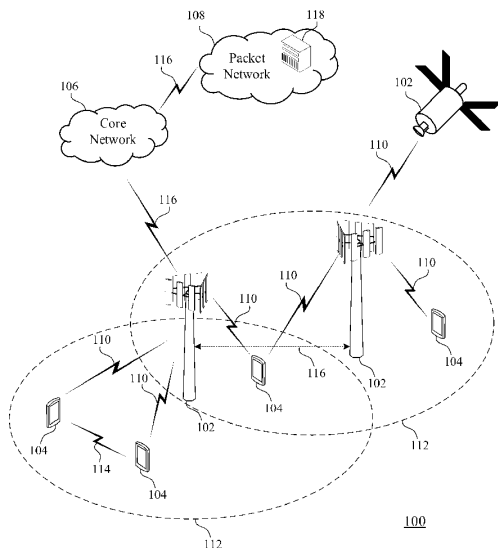


Figure 1

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)*