

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2023/0232327 A1

Jul. 20, 2023 (43) **Pub. Date:**

(54) DATA TRANSMISSION PROCESSING METHOD, APPARATUS, USER EQUIPMENT AND STORAGE MEDIUM

(71) Applicant: Beijing Xiaomi Mobile Software Co.,

Ltd., Beijing (CN)

(72) Inventor: Xing YANG, Beijing (CN)

(73) Assignee: Beijing Xiaomi Mobile Software Co.,

Ltd., Beijing (CN)

18/000,349 (21) Appl. No.:

(22) PCT Filed: Jun. 3, 2020

(86) PCT No.: PCT/CN2020/094139

§ 371 (c)(1),

Nov. 30, 2022 (2) Date:

Publication Classification

(51) Int. Cl.

(2006.01)H04W 52/02 H04W 76/28 (2006.01)

(52) U.S. Cl.

CPC H04W 52/0229 (2013.01); H04W 76/28

(2018.02)

(57)ABSTRACT

A data transmission processing method can include sending a sidelink (SL) control signaling that carries a wake-up signal configuration to a second UE, where the wake-up signal configuration is associated with transmitting an SL wake-up signal from the first UE to the second UE.

First UE

Second UE

S201, send an SL control signaling to a second UE, where the SL control signaling carries a wake-up signal configuration and the wake-up signal configuration is associated with transmitting an SL wake-up signal from the first UE to the second UE