

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2024/0214146 A1

Jun. 27, 2024 (43) **Pub. Date:**

(54) METHOD AND DEVICE FOR WIRELESS COMMUNICATION IN UE AND BASE **STATION**

- (71) Applicants: Keying WU, Shanghai (CN); Xiaobo ZHANG, Shanghai (CN)
- Inventors: Keying WU, Shanghai (CN); Xiaobo ZHANG, Shanghai (CN)
- (73) Assignee: SHANGHAI LANGBO COMMUNICATION TECHNOLOGY COMPANY **LIMITED**, Shangha (CN)
- (21) Appl. No.: 18/600,805
- (22) Filed: Mar. 11, 2024

Related U.S. Application Data

(63) Continuation of application No. 17/364,895, filed on Jul. 1, 2021, now Pat. No. 11,962,529.

(30)Foreign Application Priority Data

Jul. 6, 2020	(CN)	 202010639812.6
Jul. 13, 2020	(CN)	 202010671045.7

Publication Classification

(51) Int. Cl. H04L 5/00 (2006.01)H04W 72/0446 (2006.01)

U.S. Cl. CPC H04L 5/0048 (2013.01); H04W 72/0446 (2013.01)

(57)ABSTRACT

The present disclosure discloses a method and a device for wireless communications in a UE and a base station. A first node transmits a first signal; and monitors a first-type signaling in a first resource block in a first time window. The first signal is used for determining a first reference signal; the first node assumes a QCL parameter identical to a target reference signal for monitoring the first-type signaling in the first resource block in the first time window; the target reference signal is either the first reference signal or a second reference signal; whether the first time window belongs to a first-type time window is used for determining the target reference signal between the first reference signal and the second reference signal. The method provided above raises the chance of a node being served and resource utilization ratio in Unlicensed Spectrum.

