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(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2023/0232379 A1**
Li et al. (43) **Pub. Date: Jul. 20, 2023**(54) **BANDWIDTH PART SWITCHING METHOD,
MOBILE COMMUNICATION SYSTEM, AND
UE**(30) **Foreign Application Priority Data**

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(71) Applicant: **JRD COMMUNICATION
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H04W 72/232 (2006.01)(72) Inventors: **Tian Li**, Shenzhen, Guangdong (CN);
Jia Sheng, Shenzhen, Guangdong (CN)(52) **U.S. Cl.**
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(2023.01)(73) Assignee: **JRD COMMUNICATION
(SHENZHEN) LTD.**, Shenzhen,
Guangdong (CN)(57) **ABSTRACT**

A UE uses a first bandwidth part to simultaneously receive switching requests from a plurality of transmission/reception points in a first time slot, calculates a scheduling time offset value on the basis of a plurality of scheduling time offsets decoded from the switching requests, and does not perform wireless signal transmission in a duration of time after the end of the time of the first three symbols in the first time slot. The duration of time is determined by the scheduling time offset value.

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First transmission/reception point TRP1 and second transmission/reception point TRP2 respectively send a DCI to a user equipment UE to request a BWP bandwidth part switching step

410

User equipment UE calculates a scheduling time offset value T_{OFFSET} according to the scheduling time offset contained in the DCI

420

430

User equipment UE maintains a state of not transmitting and not receiving wireless signals within a time slot range corresponding to the scheduling time offset value T_{OFFSET} . The receiving process in step 410 is to use a first bandwidth part. The transmission and reception after the scheduling time offset value T_{OFFSET} uses a second bandwidth part different from the first bandwidth part