

## (19) United States

# (12) Patent Application Publication (10) Pub. No.: US 2023/0232447 A1

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

### (54) USER EQUIPMENT AND METHOD OF PERFORMING TRANSMISSION IN SHARED SPECTRUM BY SAME

(71) Applicant: OROPE FRANCE SARL, Neuilly sur Seine (FR)

(72) Inventor: Hao LIN, Neully Sur Seine (FR)

(73) Assignee: OROPE FRANCE SARL, Neuilly sur

Seine (FR)

(21) Appl. No.: 17/994,571

(22) Filed: Nov. 28, 2022

#### Related U.S. Application Data

(63) Continuation of application No. PCT/IB2020/ 000791, filed on May 29, 2020.

#### **Publication Classification**

(51) Int. Cl.

H04W 74/08 (2006.01)H04W 74/00 (2006.01)

U.S. Cl.

CPC ..... H04W 74/0808 (2013.01); H04W 74/002

(2013.01)

#### ABSTRACT (57)

A user equipment (UE) and a method of performing transmission in a shared spectrum by the same are provided. The method includes initiating a channel occupancy (CO) and sharing the CO to at least a second UE. This can solve issues in the prior art and provide a method that the CO initiated by the UE can be shared with other one or more UEs, so that the one or more UEs can have higher probability to access a channel, leading to a low latency communication.

