

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2023/0232399 A1 DONG

(43) **Pub. Date:**

Jul. 20, 2023

(54) METHOD FOR TRANSMITTING INFORMATION, AND COMMUNICATION DEVICE

(71) Applicant: BEIJING XIAOMI MOBILE SOFTWARE CO., LTD., Beijing (CN)

(72) Inventor: Xiandong DONG, Beijing (CN)

(73) Assignee: **BEIJING XIAOMI MOBILE SOFTWARE CO., LTD.**, Beijing (CN)

(21) Appl. No.: 17/928,243

(22) PCT Filed: May 28, 2020

(86) PCT No.: PCT/CN2020/092938

§ 371 (c)(1),

(2) Date: Nov. 28, 2022

Publication Classification

(51) **Int. Cl.** H04W 72/1273 (2006.01)H04W 72/232 (2006.01)

H04W 74/08 (2006.01)(52) U.S. Cl.

CPC H04W 72/1273 (2013.01); H04W 72/232 (2023.01); H04W 74/0808 (2013.01)

(57)ABSTRACT

The present disclosure relate to methods for transmitting information, and communication devices. The method includes: sending an occupancy signal in response to a downlink control information (DCI) sent by a base station to the UE for scheduling a physical downlink shared channel (PDSCH) resource in an unlicensed frequency spectrum being detected in a physical downlink control channel (PDCCH) resource of the unlicensed frequency spectrum, where the occupancy signal is used to indicate that a channel of the PDSCH resource is to be occupied.

UE

Base station

Wireless communication

501, sending an occupancy signal in response to a DCI sent by a base station to the UE for scheduling a PDSCH resource in an unlicensed frequency spectrum being detected in a PDCCH resource of the unlicensed frequency spectrum, where the occupancy signal is used to indicate that a channel of the PDSCH resource is to be occupied