



US 20230232366A1

(19) **United States**

(12) **Patent Application Publication**
LI et al.

(10) **Pub. No.: US 2023/0232366 A1**

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

(54) **METHOD FOR PERFORMING DATA TRANSMISSION BY TWO TERMINAL DEVICES AND APPARATUS**

Publication Classification

(51) **Int. Cl.**
H04W 68/00 (2006.01)
H04W 76/10 (2006.01)
(52) **U.S. Cl.**
CPC *H04W 68/00* (2013.01); *H04W 76/10* (2018.02)

(71) Applicant: **HUAWEI TECHNOLOGIES CO., LTD.**, Shenzhen (CN)

(72) Inventors: **Chenwan LI**, Beijing (CN); **Bo LIN**, Shenzhen (CN); **Fang YU**, Shenzhen (CN); **Yizhuang WU**, Beijing (CN); **Bin XU**, Beijing (CN)

(21) Appl. No.: **18/192,109**

(22) Filed: **Mar. 29, 2023**

Related U.S. Application Data

(63) Continuation of application No. PCT/CN2020/119569, filed on Sep. 30, 2020.

(57) **ABSTRACT**

This application provides a method for performing data transmission by two terminal devices and an apparatus, so that only a spectrum resource needs to be occupied or fewer spectrum resources need to be occupied, and fewer spectrum resources are consumed, thereby helping alleviate a strain on spectrum resources. The method includes: A first core network device determines that a first terminal and a second terminal are in a mutual backup relationship. The first core network device sends pairing indication information to a base station, where the pairing indication information indicates that the first terminal and the second terminal are in the mutual backup relationship.

