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Huang(10) **Pub. No.: US 2023/0232466 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **ACCESS METHOD AND RELATED DEVICE****Publication Classification**(71) Applicant: **HUAWEI TECHNOLOGIES CO., LTD.**, Guangdong (CN)(51) **Int. Cl.**
H04W 74/08 (2006.01)**H04W 72/1268** (2006.01)(72) Inventor: **Hai Huang**, Shanghai (CN)(52) **U.S. Cl.**
CPC **H04W 74/085** (2013.01); **H04W 72/1268** (2013.01)(73) Assignee: **HUAWEI TECHNOLOGIES CO., LTD.**, Guangdong (CN)(57) **ABSTRACT**(21) Appl. No.: **18/189,203**

A network device sends a contention resolution message to a terminal device, and in instances when the network device determines that a target ACK sent by the terminal device is not received on an uplink carrier, the network device sends a first uplink grant message to the terminal device on a data transmission carrier. The terminal device may send a first message to the network device on the data transmission carrier based on the first uplink grant message. In this way, the network device can determine, based on the first message received on the data transmission carrier, whether the terminal device successfully resolves a contention problem, to avoid an access failure caused by missing detection of the target ACK, and improve an access success rate of the terminal device.

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