



US 20230231661A1

(19) **United States**

(12) **Patent Application Publication**
WU

(10) **Pub. No.: US 2023/0231661 A1**

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

(54) **CHANNEL TRANSMISSION METHOD,
TERMINAL DEVICE AND NETWORK
DEVICE**

Publication Classification

(51) **Int. Cl.**
H04L 1/1829 (2006.01)
H04L 5/00 (2006.01)
H04W 72/20 (2006.01)
(52) **U.S. Cl.**
CPC *H04L 1/1854* (2013.01); *H04L 5/0053*
(2013.01); *H04W 72/20* (2023.01)

(71) Applicant: **GUANGDONG OPPO MOBILE
TELECOMMUNICATIONS CORP.,
LTD.**, Dongguan (CN)

(72) Inventor: **Zuomin WU**, Dongguan (CN)

(21) Appl. No.: **18/188,557**

(22) Filed: **Mar. 23, 2023**

Related U.S. Application Data

(63) Continuation of application No. PCT/CN2020/
118923, filed on Sep. 29, 2020.

(57) **ABSTRACT**

Provided are a channel transmission method, a terminal device and a network device. When an HARQ process is disabled, HARQ scheduling limitation is enhanced, thereby ensuring that the problem of disorder does not occur in a processing time sequence of a terminal device. The channel transmission method comprises: a terminal device transmitting a PUSCH by using a first uplink HARQ process, wherein the first uplink HARQ process corresponds to a first state, and a time interval between two adjacent PUSCH transmissions corresponding to the first uplink HARQ process is greater than or equal to a first duration.

