

# (19) United States

# (12) Patent Application Publication (10) Pub. No.: US 2023/0232344 A1 YANG et al.

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

## (54) POWER CONTROL FOR REPEATED UPLINK **TRANSMISSIONS**

# (71) Applicant: **QUALCOMM Incorporated**, San Diego, CA (US)

Inventors: Wei YANG, San Diego, CA (US); Seyed Ali Akbar FAKOORIAN, San Diego,

CA (US); Seyedkianoush HOSSEINI, San Diego, CA (US)

Appl. No.: 18/183,325

(22) Filed: Mar. 14, 2023

## Related U.S. Application Data

- Continuation of application No. 17/002,590, filed on Aug. 25, 2020, now Pat. No. 11,617,139.
- (60) Provisional application No. 62/892,366, filed on Aug. 27, 2019.

### **Publication Classification**

(51) Int. Cl. H04W 72/1268 (2006.01)H04W 72/044 H04W 72/23 (2006.01)(2006.01)H04L 5/00 (2006.01)

(52) U.S. Cl. CPC ....... H04W 72/1268 (2013.01); H04L 5/0051 (2013.01); **H04W** 72/23 (2023.01); H04W 72/0473 (2013.01)

#### (57)**ABSTRACT**

Methods, systems, and devices for wireless communications are described. A user equipment (UE) may be scheduled to send uplink data to a base station using a particular transmission length provided by the base station. The UE may send multiple repetitions of the uplink data to the base station using transmissions that have varying lengths. The UE may determine a transmit power based on the length provided by the base station and use that transmit power for transmitting the repetitions, regardless of the actual lengths of the repetitions.

