US 20230232336A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2023/0232336 A1**

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

(54) **TRANSMISSION POWER CONTROL**

(71) Applicant: **Hewlett-Packard Development Company, L.P.**, Spring, TX (US)

(72) Inventors: **ISAAC LAGNADO**, SPRING, TX (US); **YAO CHENG YANG**, TAIPEI CITY (TW); **CHUNG-CHUN CHEN**, TAIPEI CITY (TW); **LEO JOSEPH GERTEN**, AUSTIN, TX (US); **PO CHAO CHEN**, TAIPEI CITY (TW); **WEN CHEN FAN**, TAIPEI CITY (TW); **YA-HSIEN WANG**, TAIPEI CITY (TW); **ELIZABETH LU**, TAIPEI CITY (TW); **STEVEN HAROLD PETIT**, SPRING, TX (US)

(73) Assignee: **Hewlett-Packard Development Company, L.P.**, Spring, TX (US)

(21) Appl. No.: **18/002,233**

(22) PCT Filed: **Jul. 24, 2020**

(86) PCT No.: **PCT/US2020/043552**

§ 371 (c)(1),
(2) Date: **Dec. 16, 2022**

**Publication Classification**

(51) **Int. Cl.**

| | |
|---|---|
| ***H04W 52/22*** | (2006.01) |
| ***H04W 52/36*** | (2006.01) |
| ***H04W 52/28*** | (2006.01) |

(52) **U.S. Cl.**

CPC ..... ***H04W 52/225*** (2013.01); ***H04W 52/367*** (2013.01); ***H04W 52/28*** (2013.01)

(57) **ABSTRACT**

In some examples, an electronic device comprises a wireless transceiver to transmit a packet and a processor coupled to the wireless transceiver. The processor is to update a running average of a radiation level over a time period. The running average is based on a quantity of packets transmitted by the wireless transceiver during the time period and a radiation level associated with the quantity of packets. The processor is to determine whether the running average exceeds a threshold and to control transmission power for the packet based on the determination and based on a destination of the packet.