

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
30 January 2020 (30.01.2020)



(10) International Publication Number
WO 2020/022950 A1

(51) International Patent Classification:

G06F 13/10 (2006.01) G06F 3/033 (2006.01)
G06F 3/023 (2006.01) H04B 7/26 (2006.01)

(21) International Application Number:

PCT/SG2018/050361

(22) International Filing Date:

23 July 2018 (23.07.2018)

(25) Filing Language:

English

(26) Publication Language:

English

(71) Applicant: **RAZER (ASIA-PACIFIC) PTE. LTD.**
[SG/SG]; 514 Chai Chee Lane, #07-05, Singapore 469029 (SG).

(72) Inventors: **LEE, Kah Yong**; c/o Razer (Asia-Pacific) Pte. Ltd., 514 Chai Chee Lane, #07-05, Singapore 469029 (SG).
CHAN, Chee Oei; c/o Razer (Asia-Pacific) Pte. Ltd., 514 Chai Chee Lane, #07-05, Singapore 469029 (SG). **DAI,**

Gui Mei; c/o Razer (Asia-Pacific) Pte. Ltd., 514 Chai Chee Lane, #07-05, Singapore 469029 (SG).

(74) Agent: **VIERING, JENTSCHURA & PARTNER LLP**;
P.O. Box 1088, Rochor Post Office, Rochor Road, Singapore 911833 (SG).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH,

(54) Title: A WIRELESS LIGHTING EFFECT CONFIGURATION DATA TRANSMISSION SYSTEM

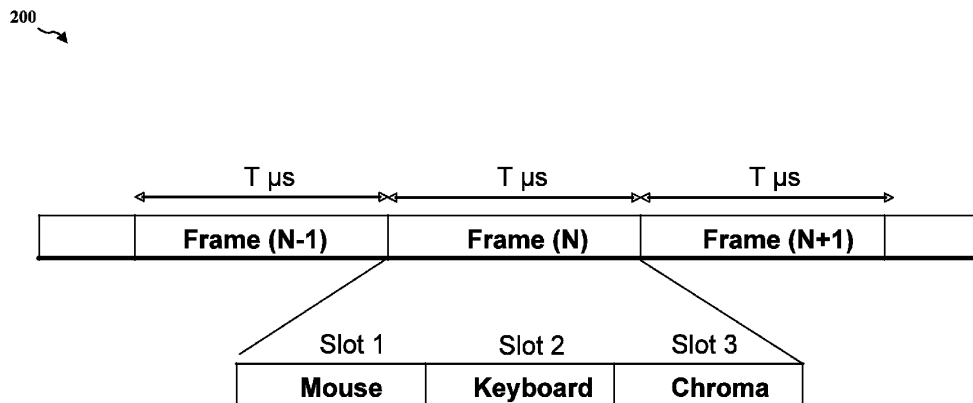


FIG. 2

(57) Abstract: A method, a computer readable medium, and an apparatus for wireless communication are provided. The apparatus may receive, via a radio frequency channel, a first data from a first human interface device at a first time slot of a frame. The apparatus may transmit the first data to a computing device. The apparatus may receive, via the radio frequency channel, a second data from a second human interface device at a second time slot of the frame. The apparatus may transmit the second data to the computing device. The apparatus may transmit, via the radio frequency channel at a third time slot of the frame, at least one of a first acknowledgment to the first data, a first lighting effect configuration data for the first human interface device, a second acknowledgment to the second data, or a second lighting effect configuration data for the second human interface device.

[Continued on next page]



WO 2020/022950 A1

GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE