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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
10 May 2024 (10.05.2024)

WIPO | PCT

(10) International Publication Number
WO 2024/096812 A1

(51) International Patent Classification:
G06F 3/01 (2006.01)

(21) International Application Number:
PCT/SG2022/050787

(22) International Filing Date:
31 October 2022 (31.10.2022)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant: **RAZER (ASIA-PACIFIC) PTE. LTD.** [SG/SG]; Razer SEA HQ, 1 one-north Crescent, #02-01, Singapore 138538 (SG).

(72) Inventors: **LEE, Kah Yong**; c/o Razer (Asia-Pacific) Pte. Ltd., Razer SEA HQ, 1 one-north Crescent, #02-01, Singapore 138538 (SG). **TAN, Whee Min**; c/o Razer (Asia-Pacific) Pte. Ltd., Razer SEA HQ, 1 one-north Crescent, #02-01, Singapore 138538 (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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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))*

WO 2024/096812 A1

(54) Title: METHOD AND SYSTEM FOR GENERATING HAPTIC EFFECTS

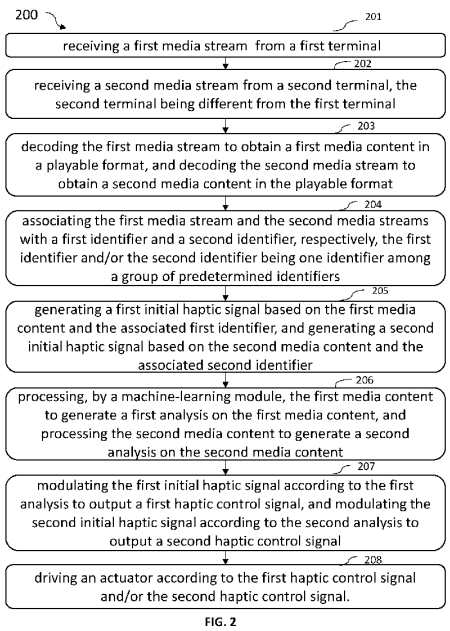

FIG. 2

(57) Abstract: A method may include receiving a first media stream from a first terminal and a second media stream from a second terminal; decoding the first and second media streams to obtain a first and second contents in a playable format; associating the first media stream and the second media stream with a first identifier and a second identifier; generating a first initial haptic signal based on the first content and the first identifier and a second initial haptic signal based on the second content and the second identifier; processing the first/second content to generate a first/second analysis; modulating the first initial haptic signal according to the first analysis to output a first haptic control signal and the second initial haptic signal according to the second analysis to output a second haptic control signal; and driving an actuator according to the first and/or the second haptic control signal.