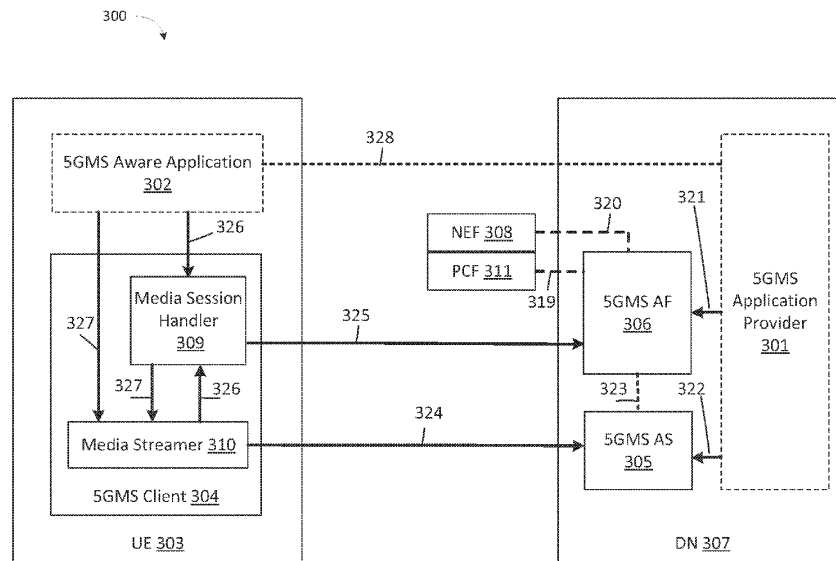




- (51) **International Patent Classification:**
H04L 47/2475 (2022.01) *H04L 47/2425* (2022.01)
H04L 47/2441 (2022.01)
- (21) **International Application Number:**
PCT/US2022/028670
- (22) **International Filing Date:**
11 May 2022 (11.05.2022)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
63/187,820 12 May 2021 (12.05.2021) US
17/726,060 21 April 2022 (21.04.2022) US
- (71) **Applicant:** **TENCENT AMERICA LLC** [US/US]; 2747 Park Boulevard, Palo Alto, California 94306 (US).
- (72) **Inventor:** **SODAGAR, Iraj**; c/o TENCENT AMERICA LLC, 2747 Park Boulevard, Palo Alto, California 94306 (US).
- (74) **Agent:** **RABENA, John F.** et al.; SUGHRUE MION, PLLC, 2000 Pennsylvania Ave., N.W., Suite 9000, Washington, District of Columbia 20006 (US).
- (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, IQ, IR, IS, IT, JM, 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, ST, SV, SY, TH, TJ, TM,

(54) **Title:** METHOD FOR USING 5G EDGE APPLICATION SERVERS FOR LIVE STREAMING OF USER-GENERATED CONTENT

FIG. 3



(57) **Abstract:** A method for performing live-streaming of user-generated content over a media-streaming network, including transmitting, by a 5th generation media streaming (5GMS)-aware application, a live-streaming request corresponding to the user-generated content to a 5GMS application provider (AP); receiving, by the 5GMS-aware application, from the 5GMS AP, an edge application server (EAS) profile corresponding to the live-streaming request, wherein the EAS profile indicates a service class (SC) from among a plurality of SCs, the SC corresponding to the live-streaming request; selecting, by the 5GMS-aware application, a 5GMS application server (AS) based on the SC; and performing the live-streaming of the user-generated content over 5GMS network to the 5GMS AS according to the SC.

[Continued on next page]

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, GH, 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))