

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
17 November 2022 (17.11.2022)



(10) International Publication Number
WO 2022/240934 A1

- (51) International Patent Classification:
H04W 4/50 (2018.01) *H04L 41/5025* (2022.01)
H04W 28/24 (2009.01) *H04L 65/612* (2022.01)
- (21) International Application Number:
PCT/US2022/028691
- (22) International Filing Date:
11 May 2022 (11.05.2022)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
63/187,796 12 May 2021 (12.05.2021) US
17/740,843 10 May 2022 (10.05.2022) 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).

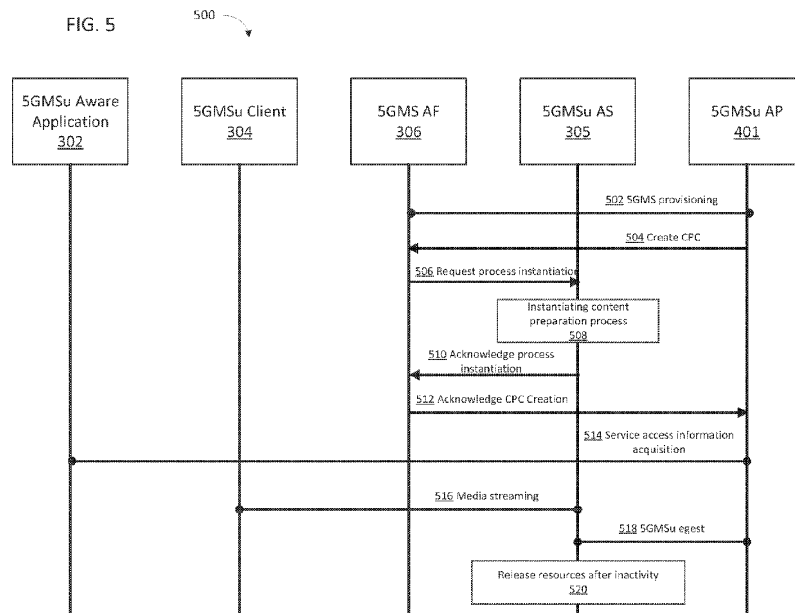
(74) Agent: **RABENA, John F.** et al.; SUGHRUE MION,
PLLC, 2000 Pennsylvania Ave., N.W., Suite 9000, Wash-
ington, District of Columbia 20006 (US).

(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,
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,

(54) Title: METHODS FOR IMPLEMENTING VARIOUS UPLINK STREAMING DEPLOYMENT SCENARIOS IN 5G NET-
WORKS

FIG. 5



(57) Abstract: Systems, devices, and methods for media processing and streaming, including transmitting, by a 5G media streaming uplink (5GMSu) application provider (AP), a request to create a provisioning session for 5GMSu streaming using a 5GMS system; receiving, by the 5GMSu AP, an acknowledgement corresponding to the provisioning session; and performing, by the 5GMSu AP, a 5GMSu egest operation corresponding to the 5GMSu streaming, wherein the 5GMSu AP is included in an external data network (DN) which is external to the 5GMS system.

[Continued on next page]

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))*