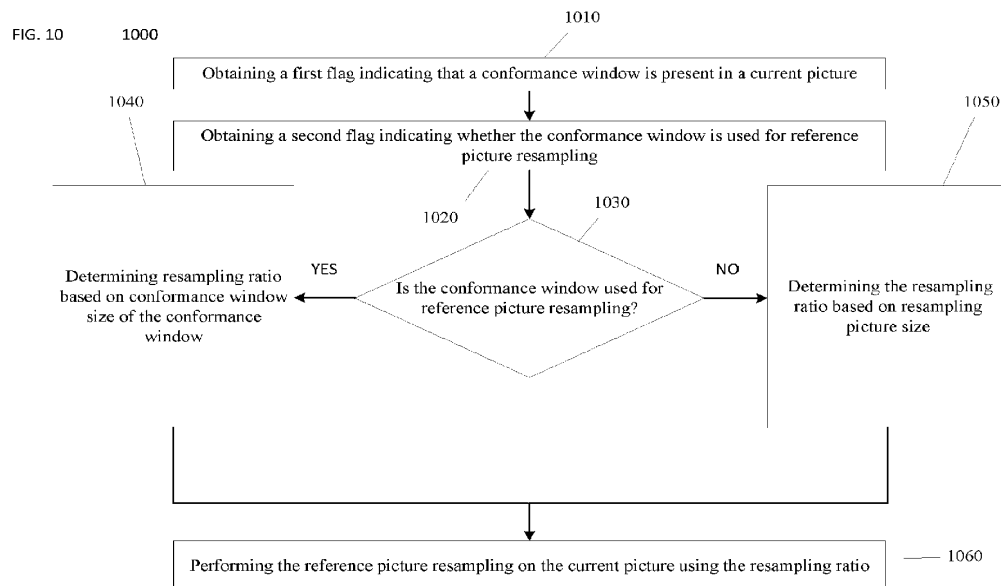




(51) **International Patent Classification:**
H04N 19/61 (2014.01) *H04N 19/105* (2014.01)
(21) **International Application Number:**
PCT/US2020/050076
(22) **International Filing Date:**
10 September 2020 (10.09.2020)
(25) **Filing Language:** English
(26) **Publication Language:** English
(30) **Priority Data:**
62/903,639 20 September 2019 (20.09.2019) US
62/905,319 24 September 2019 (24.09.2019) US
17/010,163 02 September 2020 (02.09.2020) US
(71) **Applicant: TENCENT AMERICA LLC [US/US];** 2747
Park Boulevard, Palo Alto, California 94306 (US).

(72) **Inventors: CHOI, Byeongdoo;** c/o TENCENT AMERICA LLC, 2747 Park Boulevard, Palo Alto, California 94306 (US). **WENGER, Stephan;** c/o TENCENT AMERICA LLC, 2747 Park Boulevard, Palo Alto, California 94306 (US). **LIU, Shan;** 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 900, 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, IR, IS, IT, 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,

(54) **Title:** SIGNALING OF REFERENCE PICTURE RESAMPLING WITH RESAMPLING PICTURE SIZE INDICATION IN VIDEO BITSTREAM



(57) **Abstract:** A method, device, and computer-readable medium for decoding an encoded video bitstream using at least one processor, including obtaining a first flag indicating that a conformance window is present in a current picture; based on the first flag indicating that the conformance window is present, obtaining a second flag indicating whether the conformance window is used for reference picture resampling; based on the second flag indicating that the conformance window is used for the reference picture resampling, determining a resampling ratio between the current picture and a reference picture based on a conformance window size of the conformance window; based on the second flag indicating that the conformance window is not used for the reference picture resampling, determining the resampling ratio based on a resampling picture size; and performing the reference picture resampling on the current picture using the resampling ratio.

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, 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))