

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
13 July 2023 (13.07.2023)



(10) International Publication Number
WO 2023/132951 A1

- (51) **International Patent Classification:**
H04N 19/13 (2014.01) *H04N 19/184* (2014.01)
H04N 19/14 (2014.01) *H04N 19/42* (2014.01)
- (21) **International Application Number:**
PCT/US2022/053966
- (22) **International Filing Date:**
23 December 2022 (23.12.2022)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
63/266,623 10 January 2022 (10.01.2022) US
18/145,399 22 December 2022 (22.12.2022) US
- (71) **Applicant:** **QUALCOMM INCORPORATED** [US/US];
ATTN: International IP Administration, 5775 Morehouse
Drive, San Diego, California 92121-1714 (US).
- (72) **Inventors:** **DONG, Jie**; 5775 Morehouse Drive, San Diego,
California 92121-1714 (US). **SEREGIN, Vadim**; 5775
Morehouse Drive, San Diego, California 92121-1714 (US).
KARCZEWICZ, Marta; 5775 Morehouse Drive, San
Diego, California 92121-1714 (US).

(74) **Agent:** **JOSEPH, Jeffrey R.**; Shumaker & Sieffert, P.A.,
1625 Radio Drive, Suite 100, Woodbury, Minnesota 55125
(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, 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, 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).

(54) **Title:** CONTEXT ADAPTIVE BINARY ARITHMETIC CODING (CABAC) PROBABILITY ESTIMATION FOR VIDEO CODING

(57) **Abstract:** A video decoder is configured to receive bin values according to a context model, wherein the context model includes one or more probability states and the bin values correspond to one or more syntax elements of the video data; determine a first shift value based on the received bin values; determine a second shift value based on the received bin values; update a first state variable based on the first shift value; update a second state variable based on the second shift value; determine, for a next bin to be decoded, a probability state for the context model based on the first state variable and the second state variable; context decode the next bin to be decoded based on the probability state; and determine values for the one or more syntax elements based on the received bin values and the context decoded next bin value.

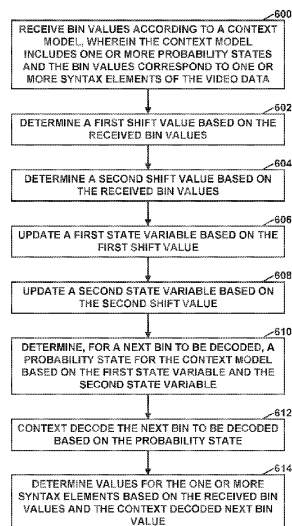


FIG. 12

WO 2023/132951 A1

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Published:

— with international search report (Art. 21(3))