

(51) International Patent Classification:
H04N 7/26 (2006.01)

(21) International Application Number:

PCT/US2012/040928

(22) International Filing Date:

5 June 2012 (05.06.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/499,114	20 June 2011 (20.06.2011)	US
61/506,558	11 July 2011 (11.07.2011)	US
61/509,007	18 July 2011 (18.07.2011)	US
13/487,996	4 June 2012 (04.06.2012)	US

(71) Applicant (for all designated States except US): **QUALCOMM INCORPORATED** [US/US]; ATTN: International IP Administration, 5775 Morehouse Drive, San Diego, California 92121-1714 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ZHENG, Yunfei** [CN/US]; 5775 Morehouse Drive, San Diego, California 92121-1714 (US). **WANG, Xianglin** [US/US]; 5775 Morehouse Drive, San Diego, California 92121-1714 (US). **KARCZEWICZ, Marta** [US/US]; 5775 Morehouse Drive, San Diego, California 92121-1714 (US).(74) Agent: **EVANS, Matthew J.**; Shumaker & Sieffert, P.A., 1625 Radio Drive, Suite 300, 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, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

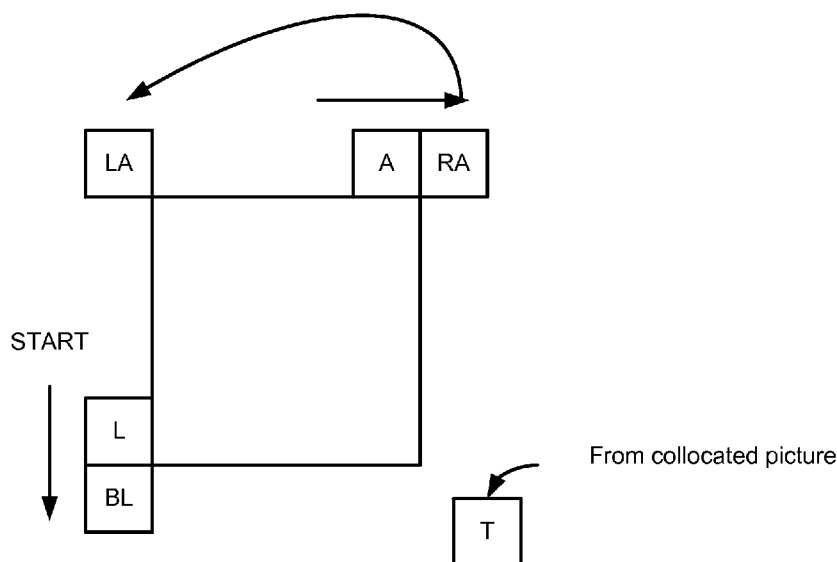
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, 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, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: UNIFIED MERGE MODE AND ADAPTIVE MOTION VECTOR PREDICTION MODE CANDIDATES SELECTION

**FIG. 7**

(57) Abstract: A unified candidate block set for both adaptive motion vector prediction (AMVP) mode and merge mode for use in inter-prediction is proposed. In general, the same candidate block set is used regardless of which motion vector prediction mode (e.g., merge mode or AMVP mode) is used. In other examples of this disclosure, one candidate block in a set of candidate blocks is designated as an additional candidate block. The additional candidate block is used if one of the other candidate blocks is unavailable. Also, the disclosure proposes a checking pattern where the left candidate block is checked before the below left candidate block. Also, the above candidate block is checked before the right above candidate block.



-
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
- Published:**
- *with international search report (Art. 21(3))*