



- (51) **International Patent Classification:**
H04N 19/94 (2014.01) *H04N 19/513* (2014.01)
- (21) **International Application Number:**
PCT/CN2015/096762
- (22) **International Filing Date:**
9 December 2015 (09.12.2015)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
62/089,352 9 December 2014 (09.12.2014) US
- (71) **Applicant:** **MEDIATEK INC.** [CN/CN]; No.1, Dusing Road 1st, Science-Based Industrial Park, Hsin-Chu, Taiwan 300 (CN).
- (72) **Inventors:** **LIN, Jian-Liang**; No.133, Neipi Rd., Nanjian Vil. Su'ao Township., Yilan County, Taiwan 270 (CN). **CHEN, Yi-Wen**; 8F., No.66, Ln.211, Yongkang Rd., Fengyuan Dist., Taichung City, Taiwan 420 (CN).
- (74) **Agent:** **BEIJING SANYOU INTELLECTUAL PROPERTY AGENCY LTD.**; 16th Fl., Block A, Corporate Square, No.35 Jinrong Street, Beijing 100033 (CN).
- (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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, 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, 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, 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,

[Continued on next page]

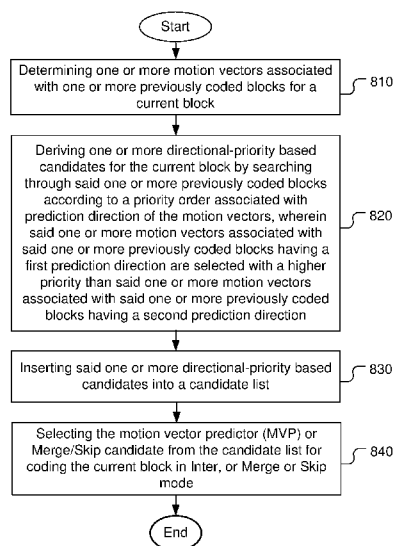
(54) **Title:** METHOD OF MOTION VECTOR PREDICTOR OR MERGE CANDIDATE DERIVATION IN VIDEO CODING

Fig. 8

(57) **Abstract:** A method and apparatus for deriving directional-priority based candidates for a block coded in Inter, or Merge or Skip mode are disclosed. One or more motion vectors associated with one or more previously coded blocks for a current block are determined first. One or more directional-priority based candidates for the current block are derived by searching through the previously coded blocks according to a priority order associated with prediction direction of the motion vectors. The motion vectors having a first prediction direction are selected with a higher priority than the motion vectors having a second prediction direction. The derived directional-priority based candidates are inserted into a candidate list. The motion vector predictor (MVP) or Merge/Skip candidate is selected from the candidate list for coding the current block in Inter, or Merge or Skip mode.

WO 2016/091162 A1



SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, **Published:**
GW, KM, ML, MR, NE, SN, TD, TG).

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