

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
27 August 2020 (27.08.2020)



(10) International Publication Number
WO 2020/169083 A1

- (51) **International Patent Classification:**
H04N 19/51 (2014.01) *H04N 19/52* (2014.01)
- (21) **International Application Number:**
PCT/CN2020/076178
- (22) **International Filing Date:**
21 February 2020 (21.02.2020)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
201931007114 22 February 2019 (22.02.2019) IN
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- (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, 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,
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))

(54) **Title:** EARLY TERMINATION FOR OPTICAL FLOW REFINEMENT

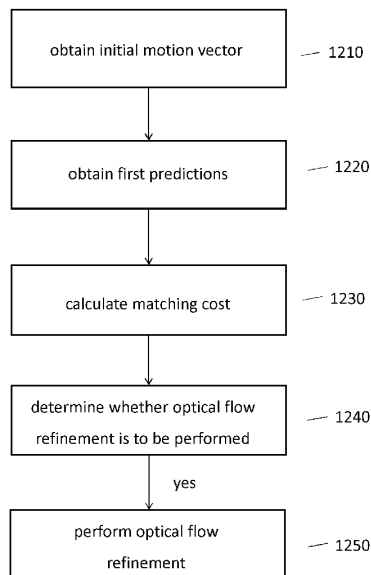


Fig. 10

(57) **Abstract:** It is provided a method of video coding implemented in a de-
coding device or an encoding device, the method comprising: obtaining initial
motion vectors for a current block; obtaining first predictions for a sample val-
ue in the current block based on the initial motion vectors; calculating a first
matching cost according to the first predictions; determining whether an opti-
cal flow refinement process should be performed or not, according to at least
one preset condition, the at least one preset condition comprising a condition of
whether the calculated first matching cost is equal to or larger than a threshold;
and performing an optical flow refinement process for obtaining a final inter
prediction for the sample value in the current block, when it is determined that
the optical flow refinement process should be performed.

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