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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
27 March 2014 (27.03.2014)

WIPO | PCT

(10) International Publication Number
WO 2014/043885 A1

(51) International Patent Classification:
H04N 7/32 (2006.01)

(21) International Application Number:
PCT/CN2012/081722

(22) International Filing Date:
21 September 2012 (21.09.2012)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant *(for all designated States except US)*: **INTEL CORPORATION** [US/US]; 2200 Mission College Blvd., Santa Clara, California 95052 (US).

(72) Inventors; and

(71) Applicants *(for US only)*: **XU, Lidong** [CN/CN]; 8F Raycom Infotech Park A, No. 2 Kexueyuan South Rd, Haidian District, Beijing 100190 (CN). **CHIU, Yi-Jen** [US/US]; 1043 Oaktree Drive, San Jose, California 95129 (US). **ZHANG, Wenhao** [CN/CN]; 8F Raycom Infotech Park A, No. 2 Kexueyuan South Rd, Haidian District, Beijing 100190 (CN). **HAN, Yu** [CN/CN]; 8F Raycom Infotech Park A, No.2 Kexueyuan South Rd, Haidian District, Beijing 100190 (CN). **CAI, Xiaoxia** [CN/CN]; 8F Raycom Infotech Park A, No.2 Kexueyuan South Rd, Haidian District, Beijing 100190 (CN). **DENG, Zhipin, Apple** [CN/CN]; Building A, Raycom Info Tech Park Tower, 2 Kexueyuan Nanlu, Zhongguancun, Beijing 100081 (CN).

(74) Agent: **CHINA PATENT AGENT (HK) LTD**; 22/F., Great Eagle Center, 23 Harbour Road, Wanchai, Hong Kong (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, 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, PA, 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).

Published:

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

(54) **Title**: CROSS-LAYER MOTION VECTOR PREDICTION

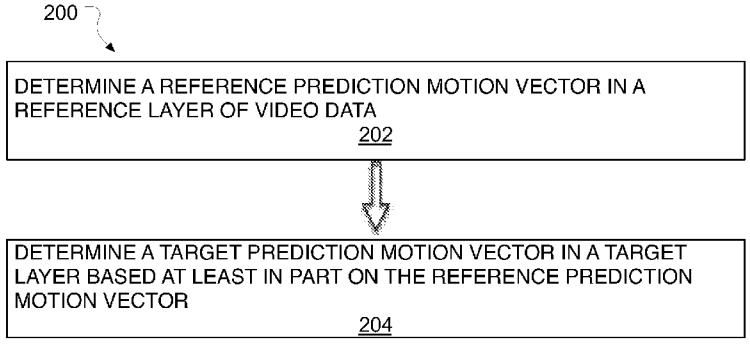


FIG. 2

(57) **Abstract**: Systems, apparatus and methods are described including operations for video coding including cross-layer motion vector prediction.

WO 2014/043885 A1