



- (51) **International Patent Classification:**
H04N 19/30 (2014.01) *H04N 19/187* (2014.01)
- (21) **International Application Number:**
PCT/US2014/010183
- (22) **International Filing Date:**
3 January 2014 (03.01.2014)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/748,872 4 January 2013 (04.01.2013) US
13/793,059 11 March 2013 (11.03.2013) US
- (71) **Applicant (for all designated States except US):** INTEL CORPORATION [US/US]; 2200 Mission College Boulevard, Santa Clara, California 95054 (US).
- (72) **Inventors; and**
- (71) **Applicants (for US only):** DENG, Zhipin [CN/CN]; Building A, Raycom Info Tech Park Tower, 2 Kexueyuan Nanlu, Zhongguancun, Beijing 100081 (CN). CHIU, Yi-Jen [US/US]; 1043 Oaktree Drive, San Jose, California 95129 (US). XU, Lidong [CN/CN]; 8F Raycom Infotech Park A, No.2 KeXueYuan South Road, Haidian District, Beijing 100190 (CN). 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, Haidian District, Beijing 100190 (CN). JIANG, Hong [US/US]; 1058 Penniman Drive, El Dorado Hills, California 95762 (US).

(74) **Agent:** HINCHLIFFE, Robert D.; INTEL CORPORATION, c/o CPA Global, P.O. Box 52050, Minneapolis, Minnesota 55402 (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, 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, 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, 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, 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,

[Continued on next page]

(54) **Title:** INTER LAYER MOTION DATA INHERITANCE

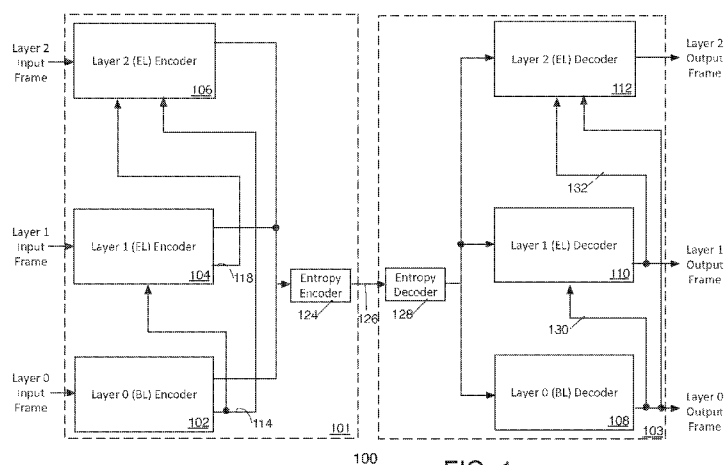


FIG. 1

(57) **Abstract:** Systems, devices, and methods related to video coding including inter layer motion data inheritance are described. In accordance with one aspect of the present invention, a method of video coding comprising: accessing reference motion data associated with at least one reference layer picture, the reference layer picture comprising one of a plurality of pictures of a first layer of multi-layer video content; and performing inter-layer prediction for a current picture based at least in part on the reference motion data, wherein the current picture comprises one of a plurality of pictures of a second layer of the multi-layer video content, wherein the second layer is different than the first layer.



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

*before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))*

Published:

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