

(43) International Publication Date
24 December 2014 (24.12.2014)

- (51) International Patent Classification:
H04N 19/463 (2014.01) *H04N 19/593* (2014.01)
- (21) International Application Number:
PCT/US2014/043397
- (22) International Filing Date:
20 June 2014 (20.06.2014)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
- | | | |
|------------|--------------------------------|----|
| 61/838,209 | 21 June 2013 (21.06.2013) | US |
| 61/847,549 | 17 July 2013 (17.07.2013) | US |
| 61/866,965 | 16 August 2013 (16.08.2013) | US |
| 61/870,050 | 26 August 2013 (26.08.2013) | US |
| 61/883,612 | 27 September 2013 (27.09.2013) | US |
| 61/887,115 | 4 October 2013 (04.10.2013) | US |
| 61/893,539 | 21 October 2013 (21.10.2013) | US |
| 61/896,013 | 25 October 2013 (25.10.2013) | US |
| 61/923,698 | 5 January 2014 (05.01.2014) | US |
| 14/309,730 | 19 June 2014 (19.06.2014) | US |
- (71) Applicant: QUALCOMM INCORPORATED [US/US];
Attn: International IP Administration, 5775 Morehouse
Drive, San Diego, California 92121-1714 (US).

(72) Inventors: GUO, Liwei; 530 Fiore Ter. 303, San Diego, California 92122 (US). PANG, Chao; 5775 Morehouse Drive, San Diego, California 92121-1714 (US). KIM, Woo-Shik; 5775 Morehouse Drive, San Diego, California 92121-1714 (US). PU, Wei; 5775 Morehouse Drive, San Diego, California 92121-1714 (US). SOLE ROJALS, Joel; 5775 Morehouse Drive, San Diego, California 92121-1714 (US). JOSHI, Rajan Laxman; 5775 Morehouse Drive, San Diego, California 92121-1714 (US). KARCZEWICZ, Marta; 5775 Morehouse Drive, San Diego, California 92121-1714 (US).

(74) Agent: KELLY, Jason D.; 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, 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,

[Continued on next page]

(54) Title: INTRA PREDICTION FROM A PREDICTIVE BLOCK USING DISPLACEMENT VECTORS

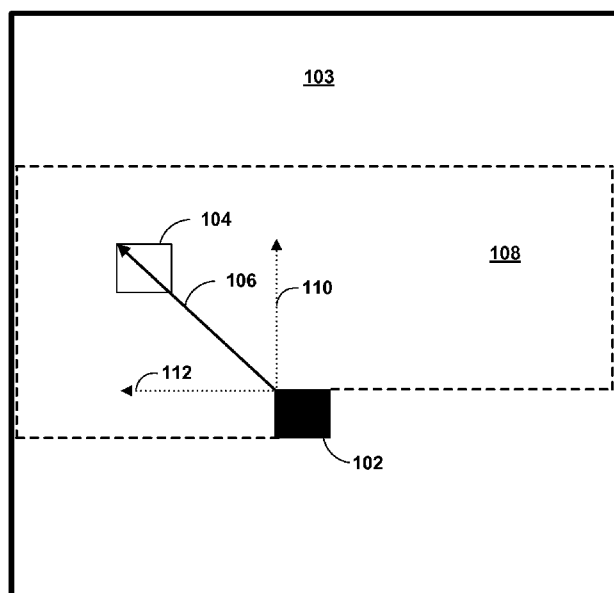


FIG. 2

(57) Abstract: Techniques coding video data, including a mode for intra prediction of blocks of video data from predictive blocks of video data within the same picture, may include determining a predictive block of video data for the current block of video data, wherein the predictive block of video data is a reconstructed block of video data within the same picture as the current block of video data. A two-dimensional vector, which may be used by a video coder to identify the predictive block of video data, includes a horizontal displacement component and a vertical displacement component relative to the current block of video data. The mode for intra prediction of blocks of video data from predictive blocks of video data within the same picture may be referred to as Intra Block Copy or Intra Motion Compensation.



TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

Published:

- (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, KM, ML, MR, NE, SN, TD, TG).

- with international search report (Art. 21(3))
- 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))

(88) Date of publication of the international search report:

26 February 2015