



(43) International Publication Date
3 January 2014 (03.01.2014)

- (51) International Patent Classification:
H04N 7/26 (2006.01) *H04N 7/50* (2006.01)
- (21) International Application Number:
PCT/US2013/046529
- (22) International Filing Date:
19 June 2013 (19.06.2013)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/665,862 28 June 2012 (28.06.2012) US
61/666,688 29 June 2012 (29.06.2012) US
13/784,006 4 March 2013 (04.03.2013) US
- (71) Applicant: **QUALCOMM INCORPORATED** [US/US];
Attn: International IP Administration, 5775 Morehouse
Drive, San Diego, California 92121-1714 (US).
- (72) Inventors: **RAMASUBRAMONIAN, Adarsh Krishnan**;
5775 Morehouse Drive, San Diego, California 92121-1714
(US). **WANG, Ye-Kui**; 5775 Morehouse Drive, San
Diego, California 92121-1714 (US). **JOSHI, Rajan Lax-**
man; 5775 Morehouse Drive, San Diego, California
92121-1714 (US). **CHEN, Ying**; 5775 Morehouse Drive,
San Diego, California 92121-1714 (US).
- (74) Agent: **DAWLEY, Brian R.**; 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, 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, 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,
KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii))

Published:

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

(54) Title: RANDOM ACCESS AND SIGNALING OF LONG-TERM REFERENCE PICTURES IN VIDEO CODING

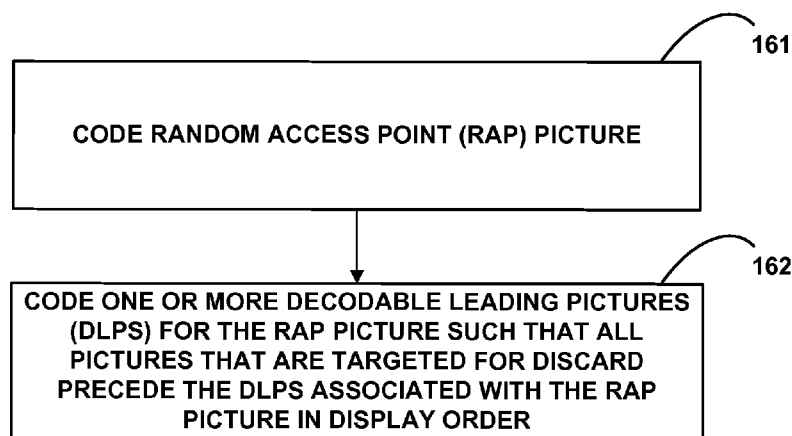


FIG. 6

(57) Abstract: A video coder can be configured to code a random access point (RAP) picture and code one or more decodable leading pictures (DLPS) for the RAP picture such that all pictures that are targeted for discard precede the DLPS associated with the RAP picture in display order.