

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 October 2008 (30.10.2008)

PCT

(10) International Publication Number
WO 2008/130367 A8

- (51) International Patent Classification:
H04N 7/50 (2006.01) H04N 7/34 (2006.01)
H04N 7/26 (2006.01) H04N 7/36 (2006.01)
- (21) International Application Number:
PCT/US2007/014752
- (22) International Filing Date:
25 June 2007 (25.06.2007)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/925,351 18 April 2007 (18.04.2007) US
- (71) Applicant (for all designated States except US): THOMSON LICENSING [FR/FR]; 46, Quai A. Le Gallo, F-92100 Boulogne-Billancourt (FR).

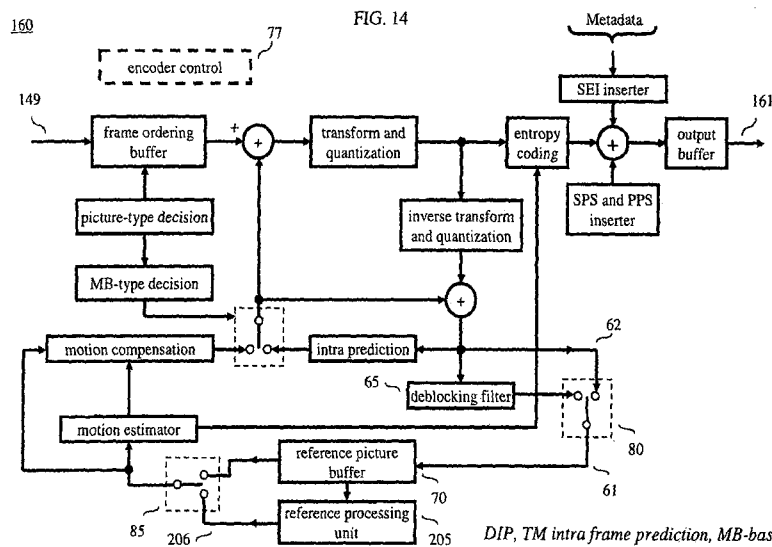
- (74) Agents: LAKS, Joseph, J. et al.; Thomson Licensing LLC, Two Independence Way, Suite #200, Princeton, NJ 08540 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

- (72) Inventors; and
- (75) Inventors/Applicants (for US only): YIN, Peng [CN/US]; 65 Warwick Road, West Windsor, NJ 08550 (US). DIVORRA ESCODA, Oscar [ES/US]; 1201 Sayre Drive, Princeton, NJ 08540 (US). DAL, Congxia [CN/US]; 1064 Van Voorhis Rd. Apt. J215, Morgantown, WV 26505 (US).

Published:
— with international search report (Art. 21(3))

[Continued on next page]

(54) Title: ADAPTIVE REFERENCE PICTURE DATA GENERATION FOR INTRA PREDICTION



(57) Abstract: A device incorporates an H.264 compatible video encoder for providing compressed, or encoded, video data. The H.264 encoder comprises a buffer for storing previously coded macroblocks of a current picture being encoded; and a processor for generating adaptive reference picture data from the previously coded macroblocks of the current picture; wherein the adaptive reference picture data is for use in predicting uncoded macroblocks of the current picture.

WO 2008/130367 A8



(48) Date of publication of this corrected version:

29 October 2009

(15) Information about Correction:

see Notice of 29 October 2009