(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 19 December 2002 (19.12.2002)

PCT

US

(10) International Publication Number WO 02/102048 A3

(51) International Patent Classification⁷: H04B 1/66

(21) International Application Number: PCT/US02/18444

(22) International Filing Date: 11 June 2002 (11.06.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/297,330 11 June 2001 (11.06.2001)

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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

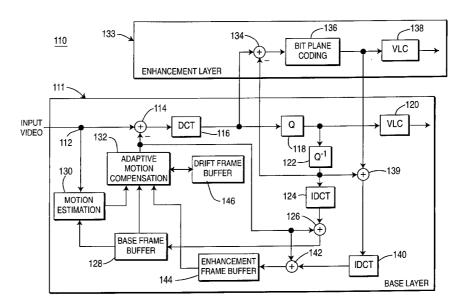
Published:

with international search report

(88) Date of publication of the international search report: 12 September 2003

[Continued on next page]

(54) Title: MOTION COMPENSATION FOR FINE-GRAIN SCALABLE VIDEO



(57) Abstract: A fine-grain scalable video data apparatus (fig. 2), system, method and data structure is disclosed. An encoder (110) for encoding input video data (112) as minimum bitrate macroblock data to produce DCT data having DCT coefficients representing a minimum bitrate version of the macroblock data. The encoder (110) also encodes the input video data (112) as intermediate bitrate macroblock data to produce DCT data having DCT coefficients representing an intermediate bitrate version of the macroblock data. An adaptive motion compensator (132) communicates with the encoder (110) for predicting whether a decoded version of the intermediate bitrate macroblock data has an accumulated predicted error frame energy exceeding a maximum threshold (228).



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US02/18444

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