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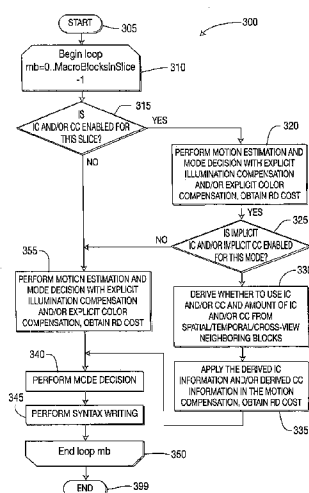
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(54) Title: LOCAL ILLUMINATION AND COLOR COMPENSATION WITHOUT EXPLICIT SIGNALING



(57) Abstract: There are provided method and apparatus for local illumination and color compensation without explicit signaling. An apparatus includes an encoder (100) for encoding a picture by enabling at least one of color compensation and illumination compensation of at least one color component of a prediction for an image block of the picture without using explicit signaling. The method comprises at least the step of enabling the encoding of a picture described above in the apparatus (325), again without use of explicit signaling. In the description of an specific embodiment, this enabling of the color compensation and the illumination compensation is based on at least one of a group of pixels and a local signal block corresponding to the picture (330). Similar descriptions are provided for a method and apparatus for decoding the signal the encoded signal.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER:
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, IBM-TDB, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	J-H YANG: "Results on CE2 in MVC" VIDEO STANDARDS AND DRAFTS, XX, XX, no. JVT-T115, 18 July 2006 (2006-07-18), XP030006602 the whole document	1-25
X	JAE-HOON KIM ET AL: "Preliminary results on MVC CE-2" VIDEO STANDARDS AND DRAFTS, XX, XX, no. M13317, 30 March 2006 (2006-03-30), XP030041986 the whole document	1-25
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See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>JEAN CHOI ET AL: "Face Recognition using Energy Probability in DCT Domain" MULTIMEDIA AND EXPO, 2006 IEEE INTERNATIONAL CONFERENCE ON, IEEE, PI, 1 July 2006 (2006-07-01), pages 1549-1552, XP031033144 ISBN: 978-1-4244-0366-0 Section 2.1, pages 1549-1550</p>	1-25
A	<p>FENG G ET AL: "JPEG compressed image retrieval via statistical features" PATTERN RECOGNITION, ELSEVIER, GB, vol. 36, no. 4, 1 April 2002 (2002-04-01), pages 977-985, XP004398636 ISSN: 0031-3203 Section 2.1, pages 978-979</p>	1-24
X	<p>PENG YIN ET AL: "Localized Weighted Prediction for Video Coding" CIRCUITS AND SYSTEMS, 2005. ISCAS 2005. IEEE INTERNATIONAL SYMPOSIUM O N KOBE, JAPAN 23-26 MAY 2005, PISCATAWAY, NJ, USA, IEEE, 23 May 2005 (2005-05-23), pages 4365-4368, XP010816640 ISBN: 978-0-7803-8834-5 Sections II. and III., pages 4366-4368 abstract</p>	1-25