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H04N 19/119 (2014.01) *H04N 19/436* (2014.01)
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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, 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, TN,
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DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,

[Continued on next page]

(54) Title: RESTRICTION ON PALETTE BLOCK SIZE IN VIDEO CODING

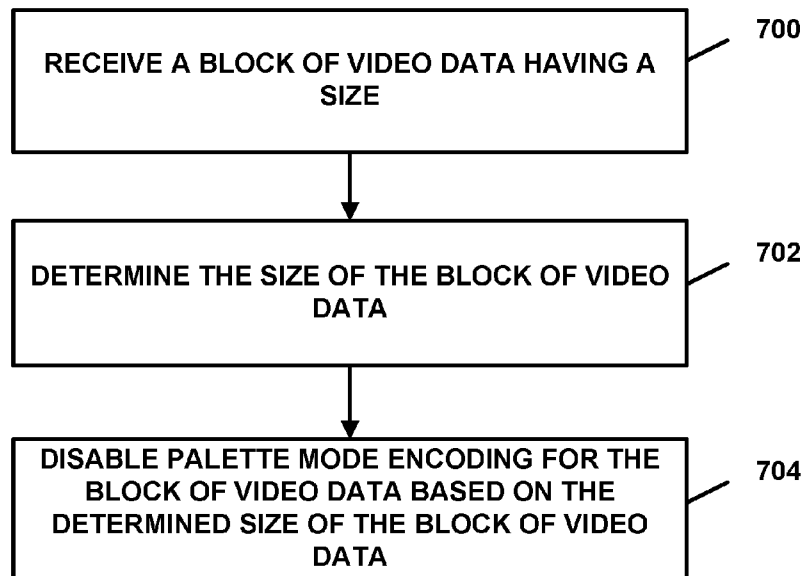


FIG. 7

(57) Abstract: In an example, method of encoding video data may include receiving a block of video data having a size. The method may include determining the size of the block of video data. The method may include disabling palette mode encoding for the block of video data based on the determined size of the block of video data.

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LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
 INV. H04N19/176 H04N19/119 H04N19/11 H04N19/93
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 H04N

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 practicable, search terms used)
 EPO-Internal, COMPENDEX, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WANG W ET AL: "Non-CE5: CU dependent color palette maximum size", 19. JCT-VC MEETING; 17-10-2014 - 24-10-2014; STRASBOURG; (JOINT COLLABORATIVE TEAM ON VIDEO CODING OF ISO/IEC JTC1/SC29/WG11 AND ITU-T SG.16); URL: HTTP://WFTP3.ITU.INT/AV-ARCH/JCTVC-SITE/, , no. JCTVC-S0201, 9 October 2014 (2014-10-09), XP030116986, Section 1	1,14,27, 40
Y		2-7,9, 11-13, 15-20, 22, 24-26, 28-33, 35,37-39
A	----- -/--	10,23,36

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- "&" document member of the same patent family

Date of the actual completion of the international search 24 August 2016	Date of mailing of the international search report 31/08/2016
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Colesanti, Carlo

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2016/017258

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	T-D CHUANG ET AL: "CE1-related: Index map scan for 64x64 palette coding block", 20. JCT-VC MEETING; 10-2-2105 - 18-2-2015; GENEVA; (JOINT COLLABORATIVE TEAM ON VIDEO CODING OF ISO/IEC JTC1/SC29/WG11 AND ITU-T SG.16); URL: HTTP://WFTP3.ITU.INT/AV-ARCH/JCTVC-SITE/, , no. JCTVC-T0058 - Version 2, 31 January 2015 (2015-01-31), XP030117178, abstract	1-7,9, 11-20, 22, 24-33, 35,37-40
A	Section 1	10,23,36
Y	----- GENHUA JIN ET AL: "A Parallel and Pipelined Execution of H.264/AVC Intra Prediction", COMPUTER AND INFORMATION TECHNOLOGY, 2006. CIT '06. THE SIXTH IEEE INTERNATIONAL CONFERENCE ON, IEEE, PI, 1 September 2006 (2006-09-01), pages 246-246, XP031021802, ISBN: 978-0-7695-2687-4 Section 3.2 and figure 3	1-7, 14-20, 27-33,40
X,P	----- T-D CHUANG ET AL: "CE1-related: Index map scan for 64x64 palette coding block", 20. JCT-VC MEETING; 10-2-2105 - 18-2-2015; GENEVA; (JOINT COLLABORATIVE TEAM ON VIDEO CODING OF ISO/IEC JTC1/SC29/WG11 AND ITU-T SG.16); URL: HTTP://WFTP3.ITU.INT/AV-ARCH/JCTVC-SITE/, , no. JCTVC-T0058 - Version 4, 12 February 2015 (2015-02-12), XP030117179, abstract	1-7, 14-20, 27-33,40
Y,P	Sections 1 and 2.2	9,11-13, 22, 24-26, 35,37-39
A,P		10,23,36
Y	----- CHI MAI LUONG: "Introduction to computer vision and image processing", INTERNET CITATION, 2008, pages 1-179, XP008118836, Retrieved from the Internet: URL:http://www.web.archive.org/web/*/http://www.netnam.vn/unescocourse//computervision/computer.htm [retrieved on 2010-04-08]	9,11-13, 22, 24-26, 35,37-39
A	Sction 10.2, pages 141-143 Section 10.8, especially page 168 first two paragraphs	10,23,36
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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2016/017258

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	"Run-length Colour Encoding; T.45 (02/00)", ITU-T STANDARD, INTERNATIONAL TELECOMMUNICATION UNION, GENEVA ; CH, no. T.45 (02/00), 10 February 2000 (2000-02-10), pages 1-11, XP017462323, [retrieved on 2001-08-15]	9,11-13, 22, 24-26, 35,37-39
A	Section 2.1.2 -----	10,23,36
A	HAN W J: "CE1: Grouped & run-length VLC of respred & cbp", 19. JVT MEETING; 31-03-2006 - 07-04-2006; GENEVA, CH; (JOINT VIDEOTEAM OF ISO/IEC JTC1/SC29/WG11 AND ITU-T SG.16),, no. JVT-S029, 28 March 2006 (2006-03-28), XP030006408, ISSN: 0000-0409 Section 3.1 with figures 3 and 4 -----	9-13, 22-26, 35-39
A	LAROCHE G ET AL: "Non-RCE4: Run coding for Palette mode", 16. JCT-VC MEETING; 9-1-2014 - 17-1-2014; SAN JOSE; (JOINT COLLABORATIVE TEAM ON VIDEO CODING OF ISO/IEC JTC1/SC29/WG11 AND ITU-T SG.16); URL: HTTP://WFTP3.ITU.INT/AV-ARCH/JCTVC-SITE/, no. JCTVC-P0113, 3 January 2014 (2014-01-03), XP030115608, Sections 1 and 2.2 -----	9-13, 22-26, 35-39

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2016/017258

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

1-7, 9-20, 22-33, 35-40

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-7, 14-20, 27-33, 40

Restricting palette coding to coding units smaller than or equal to a given size, in particular the size of a largest transform unit

2. claims: 8, 21, 34

Further ad hoc block partitioning for palette coding

3. claims: 9-13, 22-26, 35-39

Maximum run length value in the framework of palette coding
