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[Continued on next page]

(54) Title: OFFSET TYPE AND COEFFICIENTS SIGNALING METHOD FOR SAMPLE ADAPTIVE OFFSET

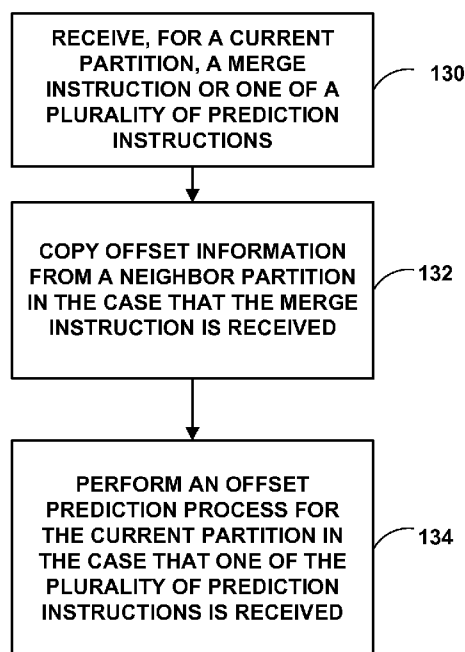


FIG. 10

(57) Abstract: This disclosure describes techniques for performing sample adaptive offset signaling and coding in a video coding process. Techniques of the disclosure include both a merge-based and prediction-based signaling process for sample adaptive offset information (i.e., offset values and offset type). The techniques includes determining offset information for a current partition, comparing the offset information of the current partition with offset information of one or more neighbor partitions, coding a merge instruction in the case that the offset information of one of the one or more neighbor partitions is the same as the offset information of the current partition, and coding one of a plurality of prediction instructions in the case that the offset information of the one or more neighbor partitions is not the same as the offset information of the current partition.



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, ML, MR, NE, SN, TD, TG).

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	C-M FU ET AL: "CE8 Subset3: Picture Quadtree Adaptive Offset", 4. JCT-VC MEETING; 95. MPEG MEETING; 20-1-2011 - 28-1-2011; DAEGU;(JOINT COLLABORATIVE TEAM ON VIDEO CODING OF ISO/IEC JTC1/SC29/WG11AND ITU-T SG.16); URL: HTTP://WFTP3.ITU.INT/AV-ARCH/JCTVC-SITE/,, no. JCTVC-D122, 15 January 2011 (2011-01-15), XP030008162, ISSN: 0000-0015 pages 1-4 ----- -/--	1-46



Further documents are listed in the continuation of Box C.



See patent family annex.

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INTERNATIONAL SEARCH REPORT

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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.
Y	C-Y CHEN ET AL: "CE8 Subset2: A Joint Proposal on Improving the Adaptive Loop Filter in TMuCO.9 by MediaTek", 95. MPEG MEETING; 24-1-2011 - 28-1-2011; DAEGU; (MOTION PICTURE EXPERT GROUP OR ISO/IEC JTC1/SC29/WG11),, no. m18871, 24 January 2011 (2011-01-24), XP030047440, pages 1-11 -----	1-46