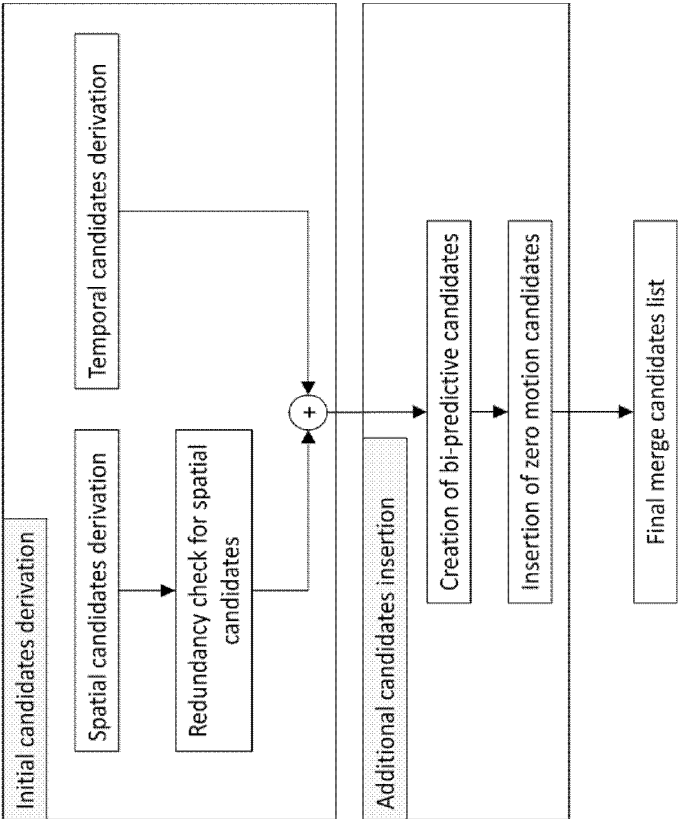
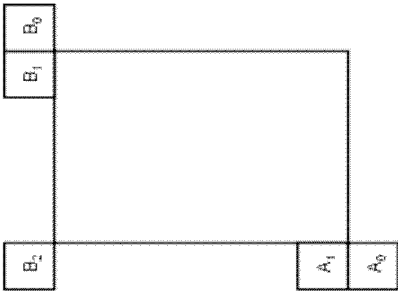




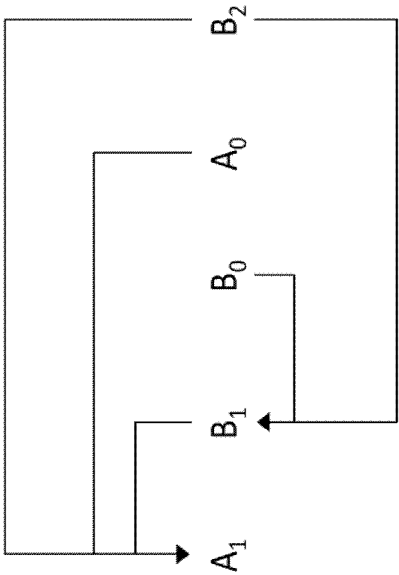
Derivation process for merge candidates list construction

FIG. 1



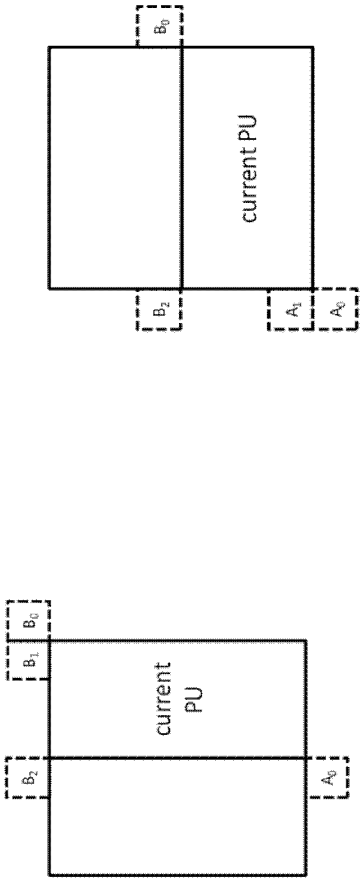
Positions of spatial merge candidates

FIG. 2



Candidate pairs considered for redundancy check of spatial merge candidates

FIG. 3



Positions for the second PU of $N \times 2N$ and $2N \times N$ partitions
second PU of $N \times 2N$ second PU of $2N \times N$

FIG. 4A **FIG. 4B**

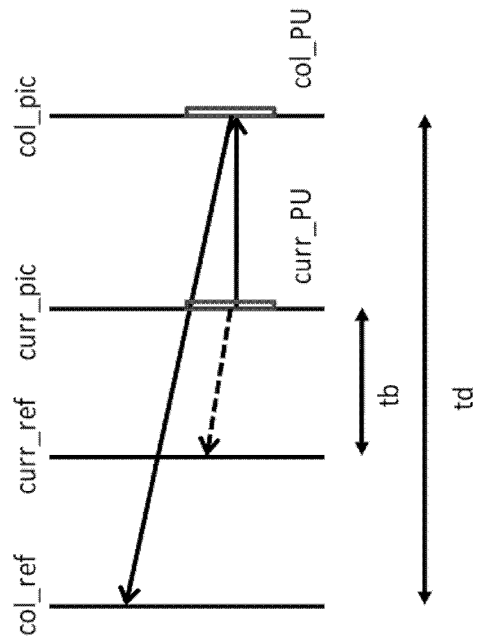
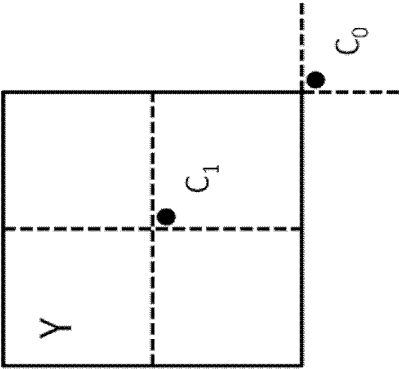


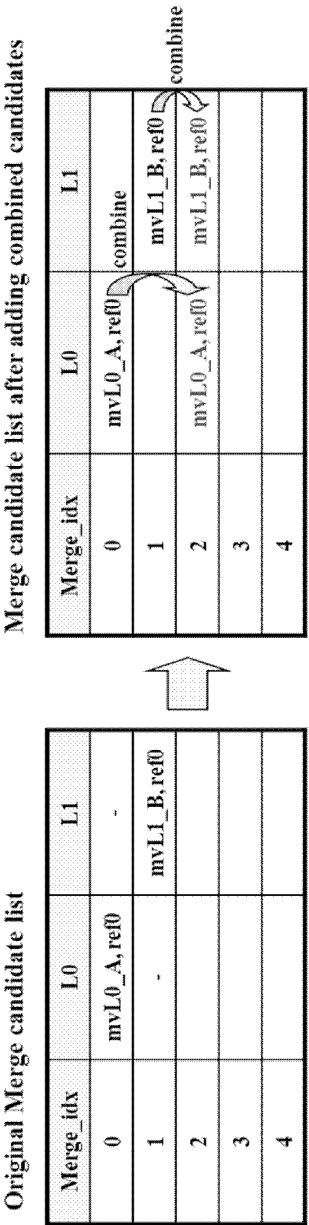
Illustration of motion vector scaling for temporal merge candidate

FIG. 5



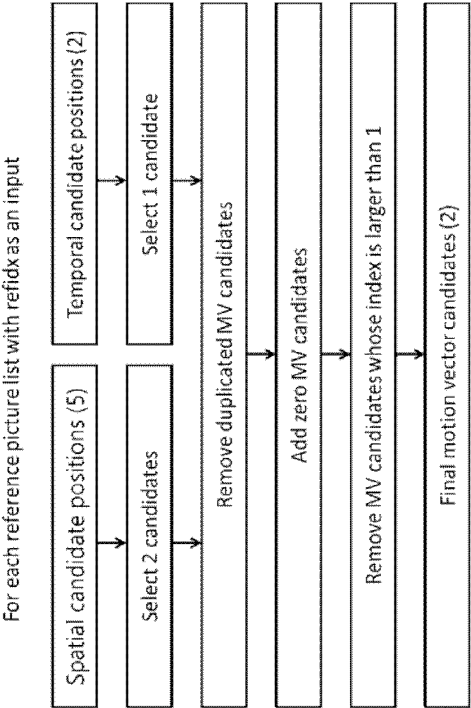
Candidate positions for temporal merge candidate, C_0 and C_1

FIG. 6



Example of combined bi-predictive merge candidate

FIG. 7



Derivation process for motion vector prediction candidates

FIG. 8

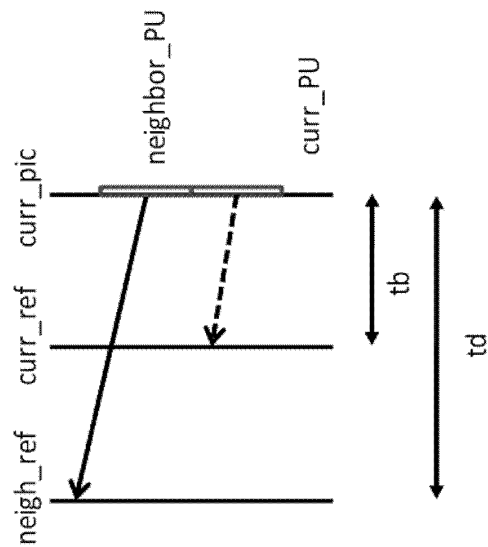
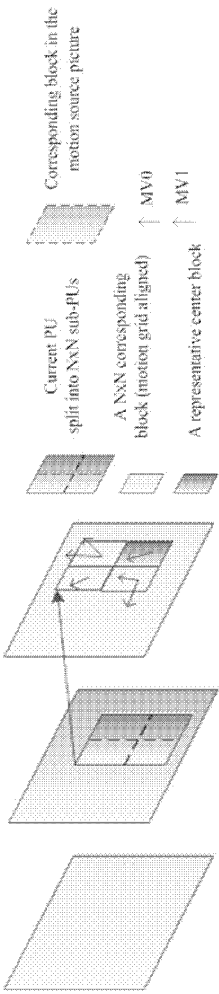


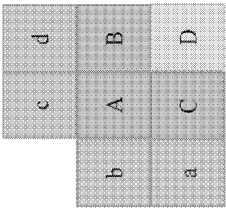
Illustration of motion vector scaling for spatial motion vector candidate

FIG. 9



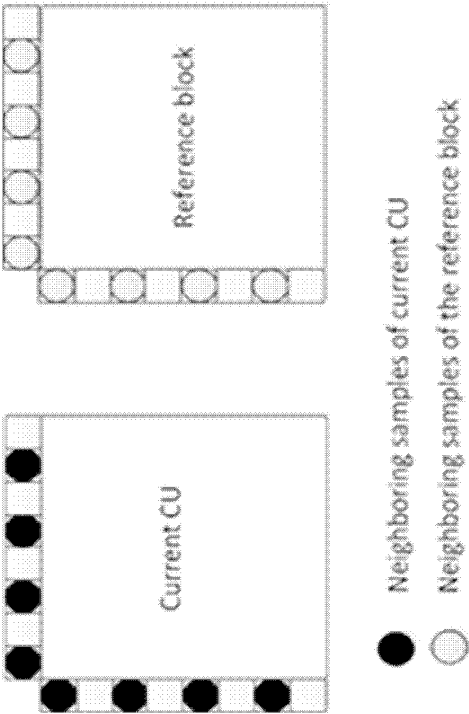
ATMVP motion prediction for a CU

FIG. 10



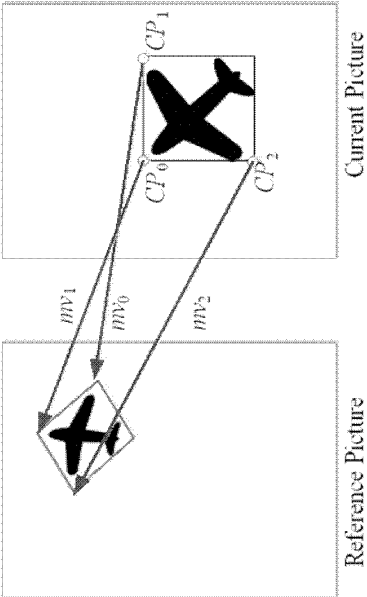
Example of one CU with four sub-blocks (A-D) and its neighbouring blocks (a-d)

FIG. 11



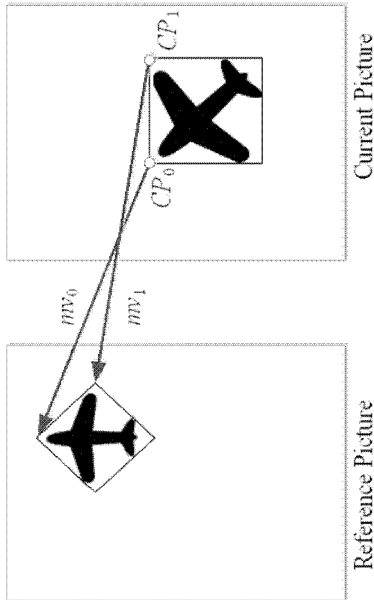
Neighbouring samples used for deriving IC parameters

FIG. 12



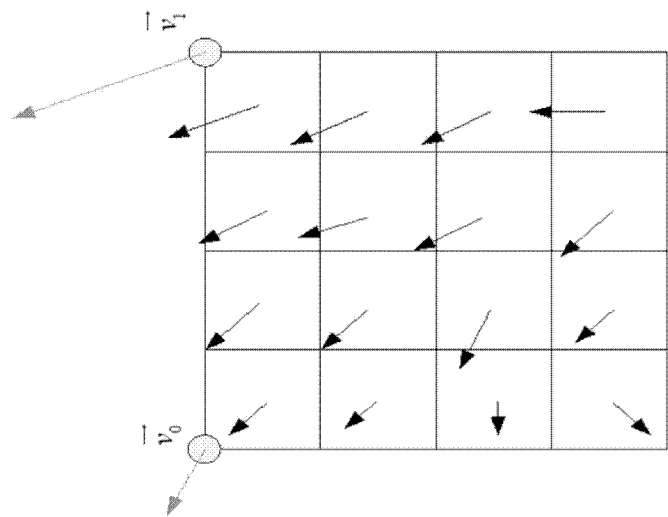
6 parameter affine

FIG. 13B



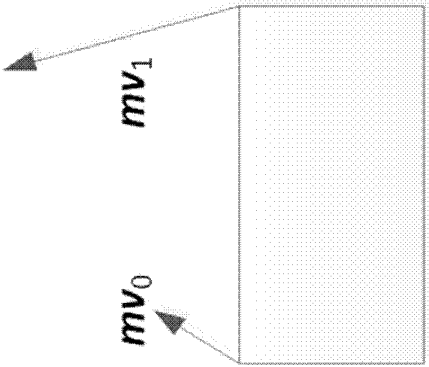
4 parameter affine

FIG. 13A



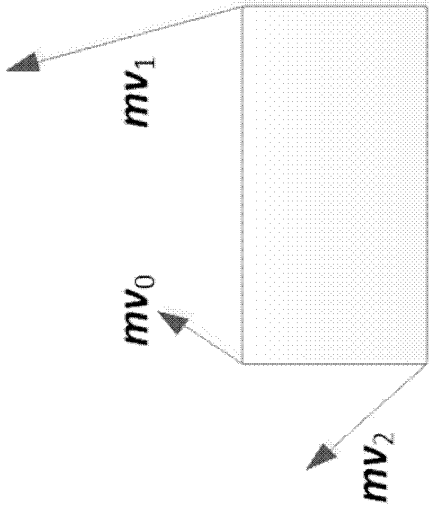
Example of Affine MVF per sub-block

FIG. 14



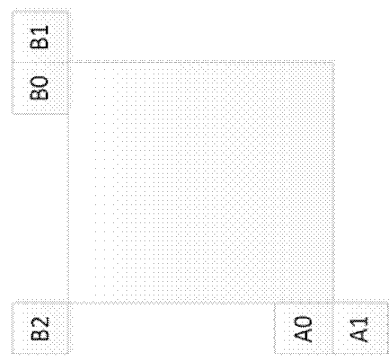
4-parameter affine model

FIG. 15A



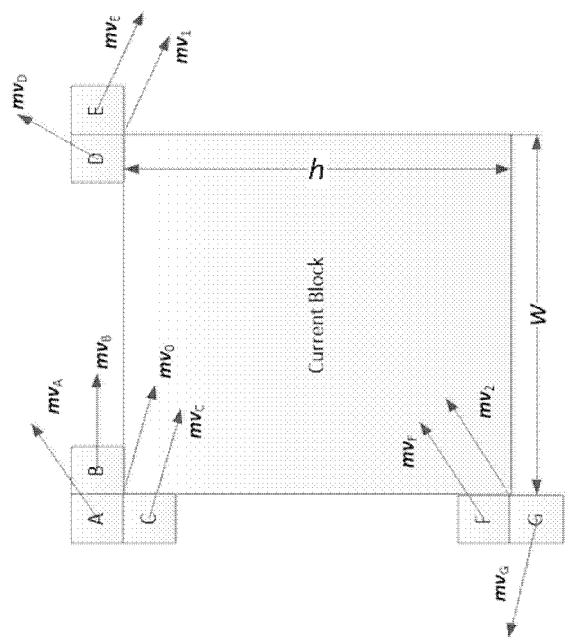
6-parameter affine model

FIG. 15B



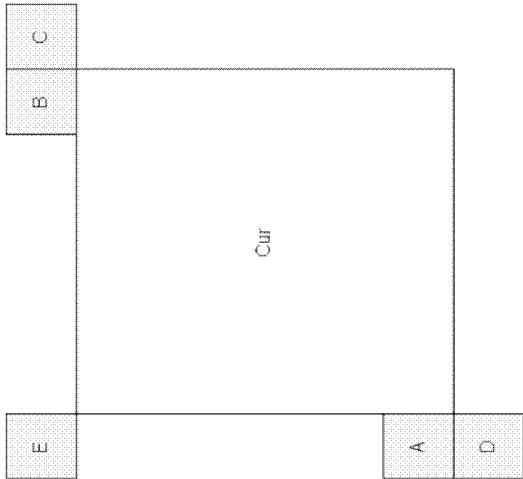
MVP for AF_INTER for inherited affine candidates

FIG. 16



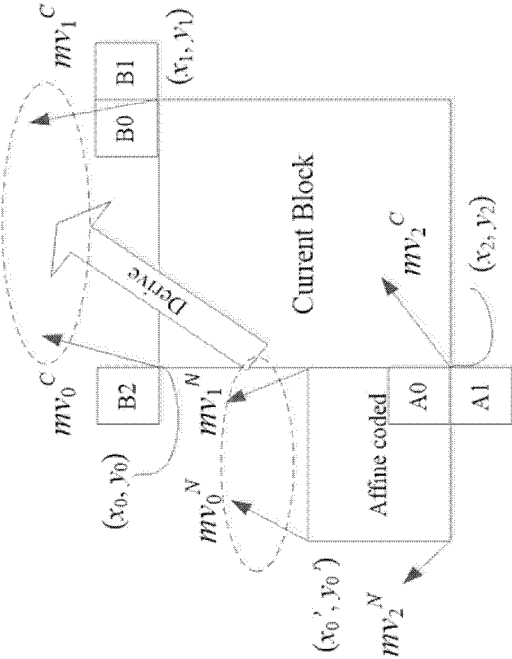
MVP for AF_INTER for constructed affine candidates

FIG. 17



Five neighboring blocks

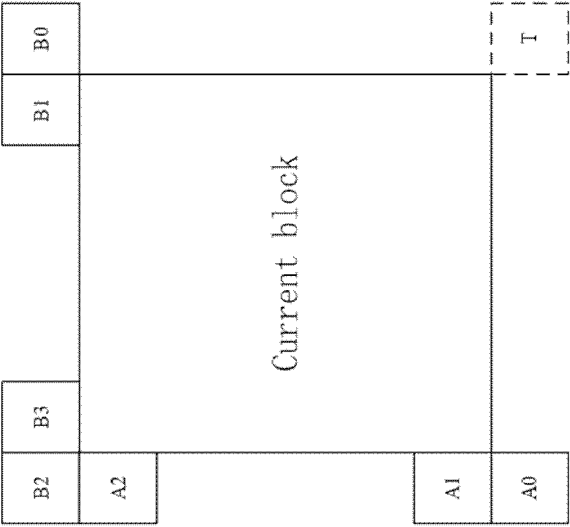
FIG. 18A



Candidates for AF_MERGE

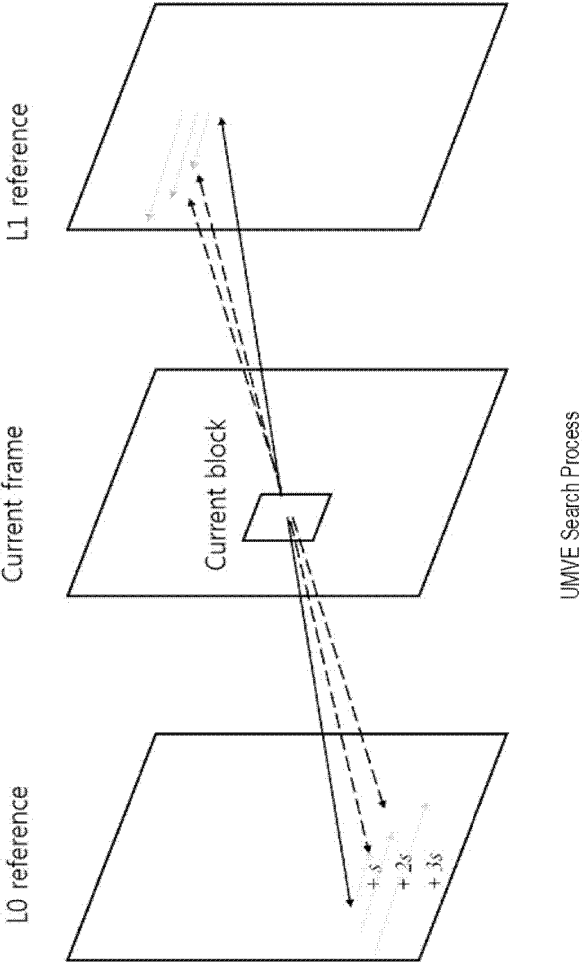
CPMV predictor derivation

FIG. 18B



Candidates position for affine merge mode

FIG. 19



UMVE Search Process

FIG. 20

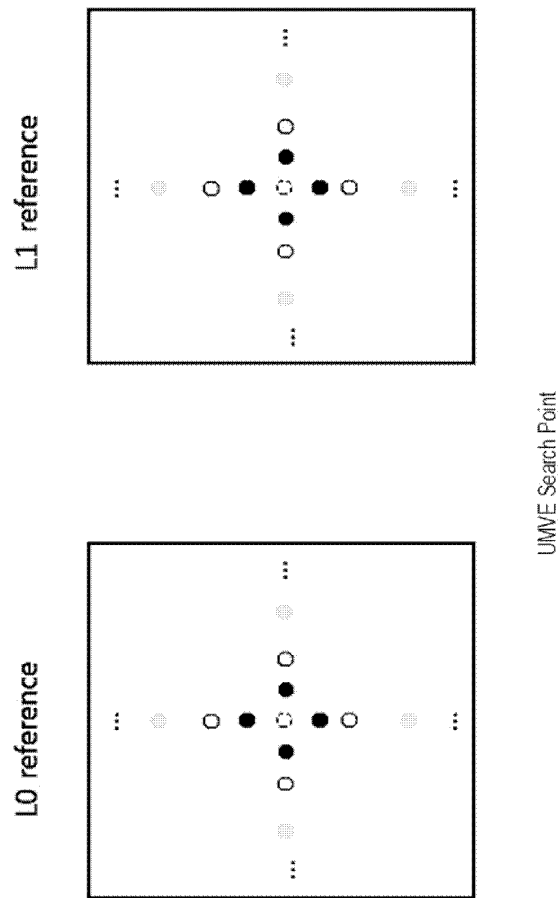


FIG. 21

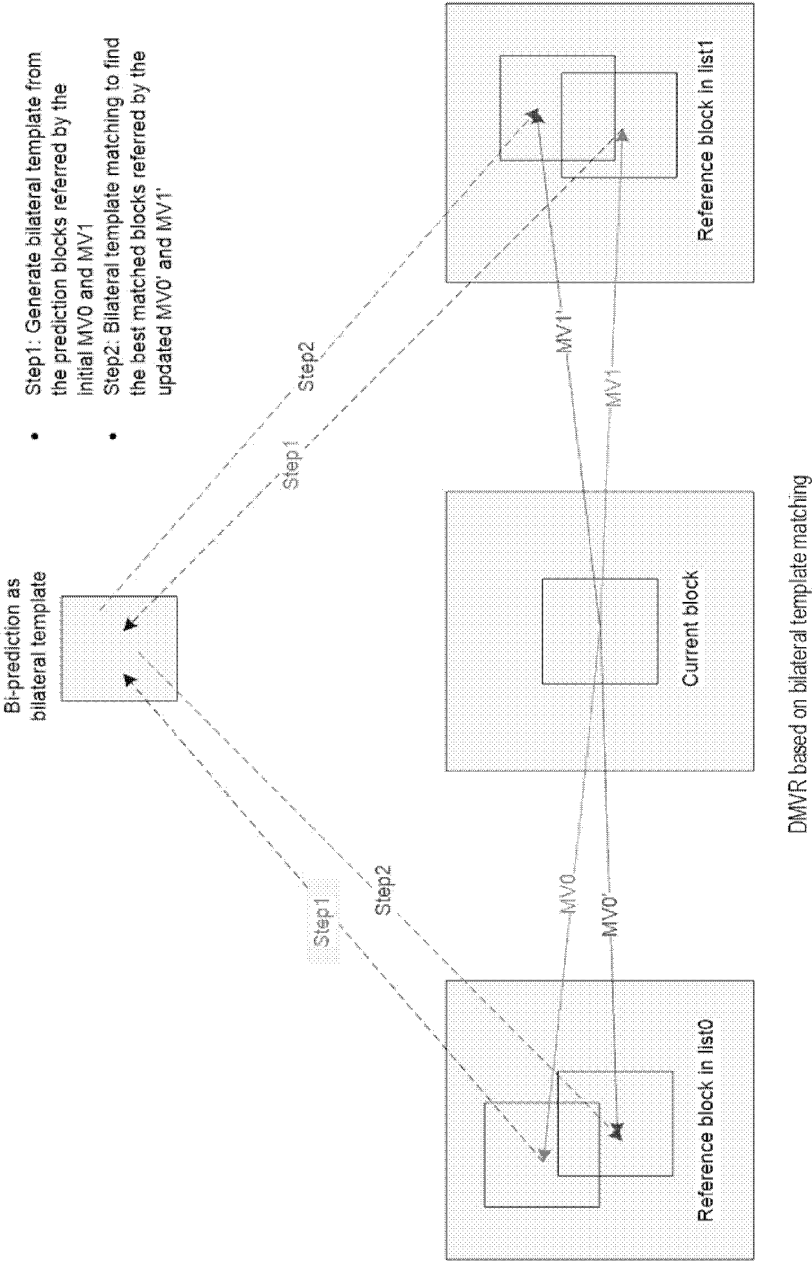
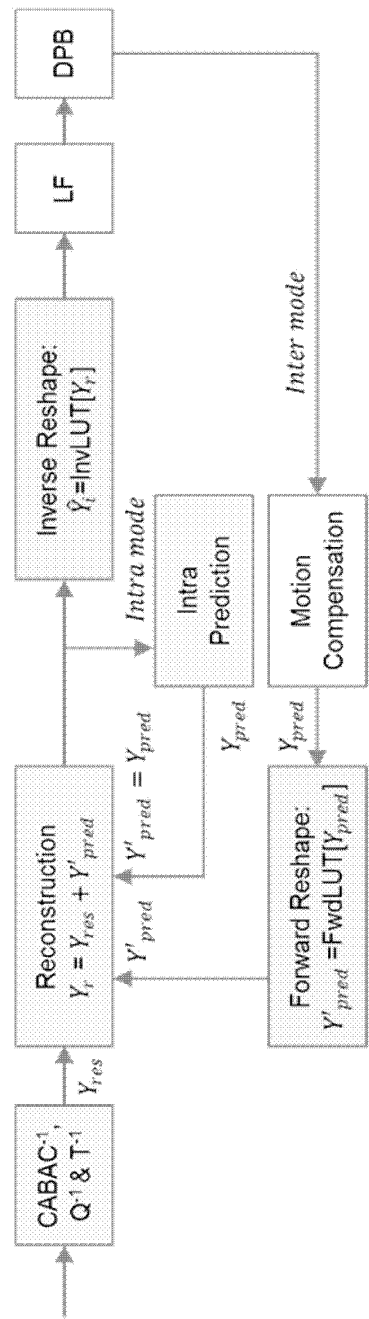
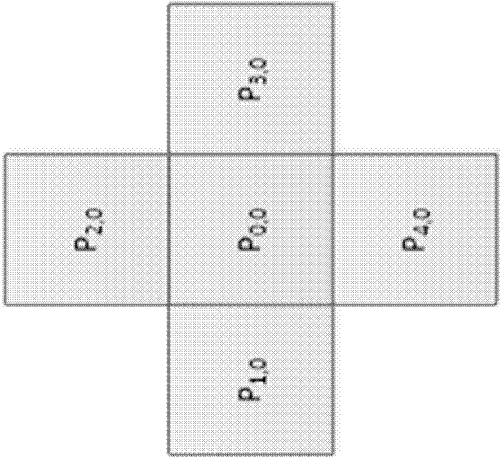


FIG. 22



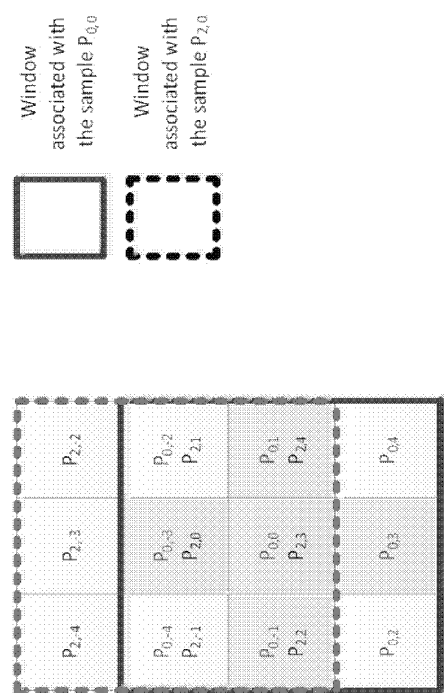
Flowchart of decoding flow with reshaping.

FIG. 23



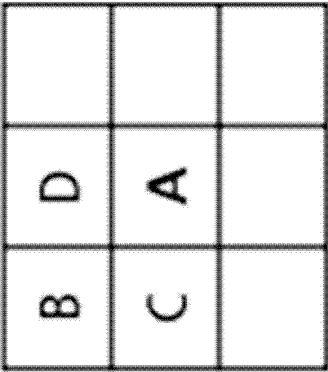
Neighboring samples utilized in bilateral filter.

FIG. 24



Windows covering two samples utilized in weight calculation.

FIG. 25



Scan pattern. A – current pixel, BCD – surrounding pixels

FIG. 26

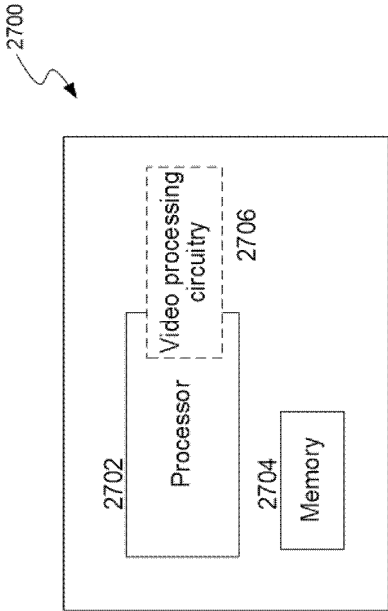


FIG. 27A

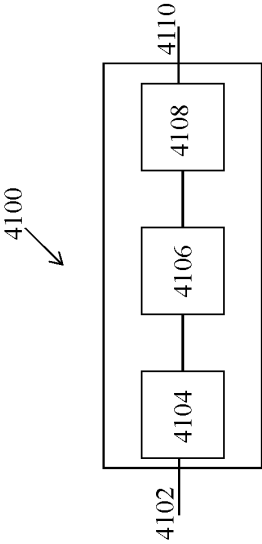


FIG. 27B

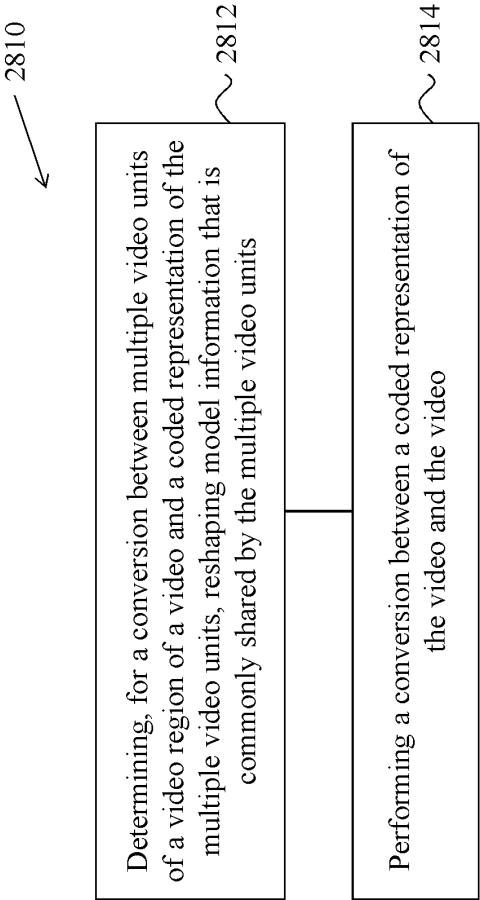


FIG. 28A

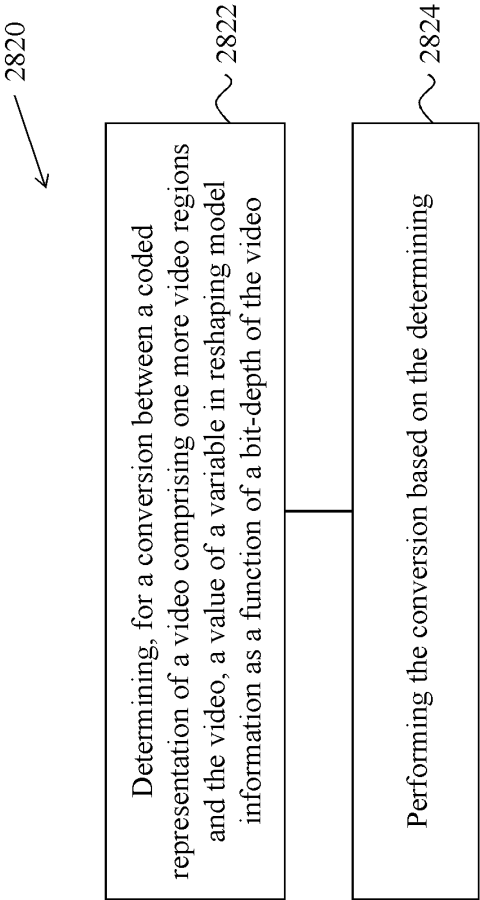


FIG. 28B

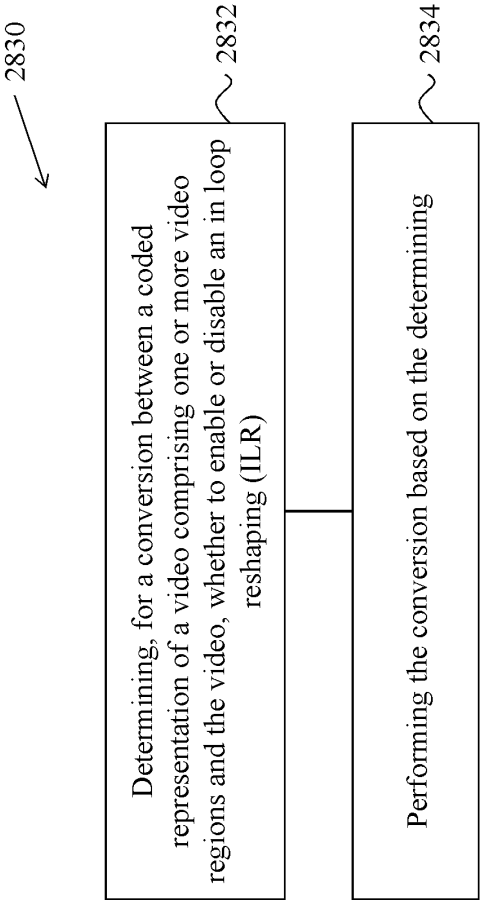


FIG. 28C

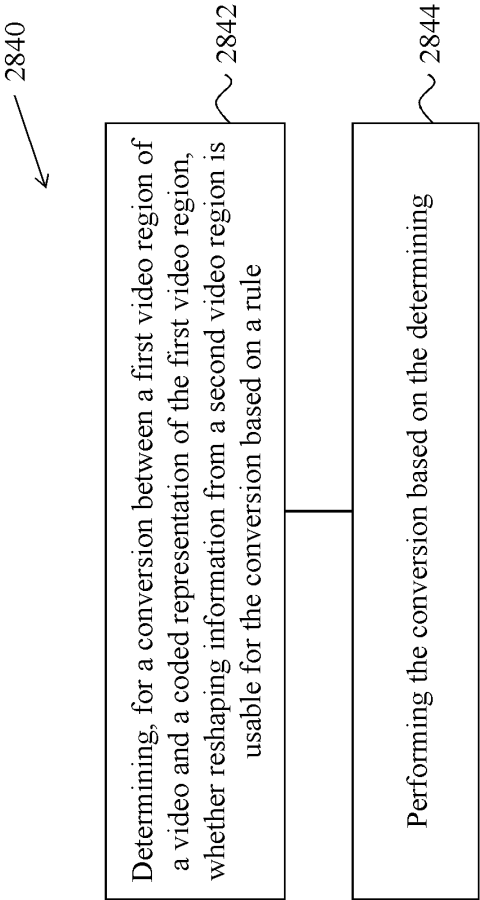


FIG. 28D

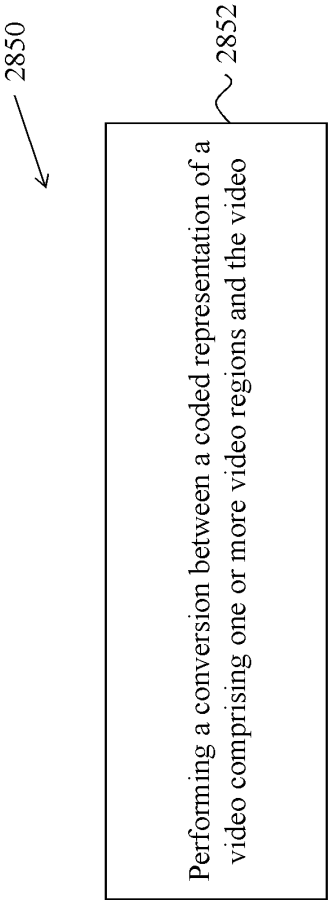


FIG. 28E