CLAIMS

1. A method for coding video data, comprising:

determining, during a conversion between a first block of visual media data and a corresponding bitstream of the visual media data, the first block which is a coding unit being coded with a geometric partitioning mode which is a prediction mode for the coding unit;

constructing, based on a table storing one or multiple motion candidates which are associated with motion information based on previously coded blocks, a motion candidate list which corresponds to a merge candidate list, wherein the table includes a history based motion vector prediction (HMVP) table;

determining a geometric partitioning mode merge index for geometric partitions of the first block being included in the corresponding bitstream, wherein the geometric partitioning mode merge index and the motion candidate list are related to motion information of the first block; and

performing the conversion of the first block using the motion information of the first block.

2. The method of claim 1, wherein the motion information used by the first block is refrained from being stored in the table.

3. The method of claim 1, wherein the table is not updated after the conversion of the first block.

4. The method of claim 1, further comprising:

determining, during a conversion between a second block of the visual media data and the corresponding bitstream of the visual media data, motion information of the second block based on the same table that is used for the first block,

wherein the second block is not coded using the geometric partitioning mode.

5. The method of claim 1, wherein constructing the motion candidate list further comprises constructing the motion candidate list based on motion candidates derived from spatial and/or temporal blocks.

6. The method of claim 1, wherein the constructing, based on the table storing one or multiple motion candidates which are associated with motion information based on previously coded blocks, the motion candidate list which corresponds to the merge candidate list comprising:

adding at least one motion candidate derived from the table for the first block.

7. The method of claim 6, wherein the adding motion candidates derived from the table for the first block, comprising:

adding at least one motion candidate derived from the table to the motion candidate list after motion candidates derived from one or both of spatial blocks or temporal blocks.

8. The method of claim 6, wherein the derived at least one motion candidate from the table is set equal to corresponding at least one motion candidate in the table.

9. The method of claim 6, wherein a checking order of motion candidates in the table to be added to the motion candidate list is based on indices of motion candidates in the table.

10. The method of claim 1, wherein the geometric partitioning mode includes multiple partition schemes and at least one partition scheme divides the first block in to two geometric partitions, at least one of which is non-square and non-rectangular.

11. The method of claim 1, wherein the geometric partitioning mode comprises a triangular partitioning mode.

12. The method of claim 1, wherein the conversion comprises decoding the first block from the corresponding bitstream.

13. The method of claim 1, wherein the conversion comprises encoding the first block into the corresponding bitstream.

14. An apparatus for coding video data comprising a processor and a non-transitory memory with instructions thereon, wherein the instructions upon execution by the processor, cause the processor to:

determine, during a conversion between a first block of visual media data and a corresponding bitstream of the visual media data, the first block which is a coding unit being coded with a geometric partitioning mode which is a prediction mode for the coding unit;

construct, based on a table storing one or multiple motion candidates which are associated with motion information based on previously coded blocks, a motion candidate list which corresponds to a merge candidate list, wherein the table includes a history based motion vector prediction (HMVP) table;

determine a geometric partitioning mode merge index for geometric partitions of the first block being included in the corresponding bitstream, wherein the geometric partitioning mode merge index and the motion candidate list are related to motion information of the first block; and

perform the conversion of the first block using the motion information of the first block.

15. A non-transitory computer-readable storage medium storing instructions that cause a processor to:

determine, during a conversion between a first block of visual media data and a corresponding bitstream of the visual media data, the first block which is a coding unit being coded with a geometric partitioning mode which is a prediction mode for the coding unit;

construct, based on a table storing one or multiple motion candidates which are associated with motion information based on previously coded blocks, a motion candidate list

which corresponds to a merge candidate list, wherein the table includes a history based motion vector prediction (HMVP) table;

determine a geometric partitioning mode merge index for geometric partitions of the first block being included in the corresponding bitstream, wherein the geometric partitioning mode merge index and the motion candidate list are related to motion information of the first block; and

perform the conversion of the first block using the motion information of the first block.

16. A non-transitory computer-readable recording medium storing a bitstream which is generated by a method performed by a video processing apparatus, wherein the method comprises:

determining, during generating a corresponding bitstream of visual media data from a first block of the visual media data, the first block which is a coding unit being coded with a geometric partitioning mode which is a prediction mode for the coding unit;

constructing, based on a table storing one or multiple motion candidates which are associated with motion information based on previously coded blocks, a motion candidate list which corresponds to a merge candidate list, wherein the table includes a history based motion vector prediction (HMVP) table;

determining a geometric partitioning mode merge index for geometric partitions of the first block being included in the corresponding bitstream, wherein the geometric partitioning mode merge index and the motion candidate list are related to motion information of the first block; and

generating the corresponding bitstream from the first block using the motion information of the first block.

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