

WHAT IS CLAIMED IS: CLAIMS

1. A method of video decoding comprising:

receiving a coded video bitstream including a current picture;

determining a predetermined condition associated with signaling data included in the coded video bitstream for a current block included in the current picture, the predetermined condition specifying whether a maximum number of merge mode candidates is different from a maximum number of IBC candidates;

~~determining~~ setting, based on the predetermined condition, a size of an index included in the signaling data for a candidate list of vector predictors ~~based on a~~ one of (i) the maximum number of merge mode candidates and a (ii) the maximum number of intra-block copy (IBC) candidates;

constructing the candidate list ~~with~~ of vector predictors;

retrieving a vector predictor from the candidate list of vector predictors in accordance with the index that has a value that does not exceed the ~~determined~~ size of the index; and

decoding the current block in accordance with the retrieved vector predictor.

2. The method of ~~video decoding according to claim 1, wherein the predetermined condition includes determining whether the current block is encoded in the IBC mode.~~

3. ~~The method of video decoding according to claim 2, wherein in response to determining that the current block is encoded in the IBC mode, setting the size of the index to a maximum number of IBC candidates, and in response to determining that the current block is not encoded in the IBC mode, setting the size of the index to a maximum number of merge mode candidates.~~

4. ~~The method of video decoding according to claim 1, wherein the predetermined condition includes determining whether a maximum number of merge mode candidates is greater than a maximum number of IBC candidates.~~

5. ~~The method of claim 4, wherein in response to determining that the maximum number of merge mode candidates is greater than the~~ is different from maximum number

of IBC candidates, setting the size of the index to the maximum number of merge mode candidates, and in response to determining that the maximum number of merge mode candidates is less than the maximum number of IBC candidates, setting the size of the index to the maximum number of IBC candidates.

~~6. A method of video decoding comprising:~~
~~receiving a coded video bitstream including a current picture;~~
~~retrieving signaling data from the coded video bitstream for a current block;~~
~~determining whether a maximum number of merge candidates is included in the retrieved signaling data for the current block; and~~
~~setting a maximum number of intra block copy (IBC) candidates based on the determination of whether the maximum number of merge candidates is included in the signaling data for the current block.~~

~~7. The method of video decoding according to claim 6, wherein in response to a determination that the maximum number of merge candidates is not included in the signaling data, the maximum number of IBC candidates is set to a value between 1 to 6.~~

~~8. The method of video decoding according to claim 7, wherein in response to a determination that the maximum number of merge candidates is included in the signaling data, the maximum number of IBC candidates is set to a value between 1 to the maximum number of merge candidates.~~

~~93. A video decoding apparatus for video decoding, comprising:~~
~~processing circuitry configured to:~~
~~receive a coded video bitstream including a current picture,~~
~~determine a predetermined condition associated with signaling data included in the coded video bitstream for a current block included in the current picture, the predetermined condition specifying whether a maximum number of merge mode candidates is different from a maximum number of IBC candidates,~~
~~determine~~set, based on the predetermined condition, a size of an index included in the signaling data for a candidate list of vector predictors ~~based on a~~to one of (i) the

maximum number of merge mode candidates and ~~a(ii) the maximum~~ number of ~~intra~~
~~block copy (IBC)~~ candidates,

construct the candidate list ~~with~~of vector predictors,

retrieve a vector predictor from the candidate list of vector predictors in accordance
with the index that has a value that does not exceed the ~~determined~~ size of the index, and
decode the current block in accordance with the retrieved vector predictor.

~~104. The video decoding apparatus according to~~of claim 9, ~~wherein the predetermined~~
~~condition includes the processing circuitry configured to determine whether the current block is~~
~~encoded in the IBC mode.~~

~~11. The video decoding apparatus according to claim 103, wherein in response to a~~
~~determination that the current block is encoded in the IBC mode, the processing circuitry is~~
~~configured to set the size of the index to a maximum number of IBC candidates, and in response~~
~~to a determination that the current block is not encoded in the IBC mode, the processing circuitry~~
~~is configured to set the size of the index to a maximum number of merge mode candidates.~~

~~12. The video decoding apparatus according to claim 9, wherein the predetermined condition~~
~~includes a determination of whether a maximum number of merge mode candidates is greater~~
~~than a maximum number of IBC candidates.~~

~~13. The video decoding apparatus of claim 12, wherein in response to a~~
~~determination that the maximum number of merge mode candidates is greater than~~is
different from the maximum number of IBC candidates, the processing circuitry is further
configured to set the size of the index to the maximum number of merge mode
candidates, and in response to a determination that the maximum number of merge mode
candidates is less than the maximum number of IBC candidates, the processing circuitry
is further configured to set the size of the index to the maximum number of IBC
candidates.

~~14. A video decoder apparatus for video decoding, comprising:~~

processing circuitry configured to:
 receive a coded video bitstream including a current picture;
 retrieve signaling data from the coded video bitstream for a current block;
 determine whether a maximum number of merge candidates is included in the retrieved
 signaling data for the current block; and
 set a maximum number of intra block copy (IBC) candidates based on the determination of
 whether the maximum number of merge candidates is included in the signaling data for the
 current block.

15. The video decoder of claim 14, wherein in response to a determination that the
 maximum number of merge candidates is not included in the signaling data, the maximum
 number of IBC candidates is set to a value between 1 to 6.

16. The video decoder according to claim 15, wherein in response to a determination that the
 maximum number of merge candidates is included in the signaling data, the maximum number
 of IBC candidates is set to a value between 1 to the maximum number of merge candidates.

17. A non-transitory computer readable medium having instructions stored therein,
 which when executed by a processor in a video decoder causes the processor to execute a
 method comprising:

receiving a coded video bitstream including a current picture;
 determining a predetermined condition associated with signaling data included in the
 coded video bitstream for a current block included in the current picture, the
predetermined condition specifying whether a maximum number of merge mode
candidates is different from a maximum number of IBC candidates;
~~determining~~setting, based on the predetermined condition, a size of an index included
 in the signaling data for a candidate list of vector predictors ~~based on~~ at one of (i) the
maximum number of merge mode candidates and ~~a~~ (ii) the maximum number of ~~intra~~
~~block copy (IBC) candidates;~~
 constructing the candidate list ~~with~~ of vector predictors;

retrieving a vector predictor from the candidate list of vector predictors in accordance with the index that has a value that does not exceed the ~~determined~~-size of the index; and

decoding the current block in accordance with the retrieved vector predictor.

~~18. The non-transitory computer readable medium according to claim 17, wherein the predetermined condition includes determining whether the current block is encoded in the IBC mode.~~

~~19. A non-transitory computer readable medium having instructions stored therein, which when executed by a processor in a video decoder causes the processor to execute a method comprising:~~

~~receiving a coded video bitstream including a current picture;~~

~~retrieving signaling data from the coded video bitstream for a current block;~~

~~determining whether a maximum number of merge candidates is included in the retrieved signaling data for the current block; and~~

~~setting a maximum number of intra block copy (IBC) candidates based on the determination of whether the maximum number of merge candidates is included in the signaling data for the current block.~~

~~20. The non-transitory computer readable medium according to claim 19, wherein in response to a determination that the maximum number of merge candidates is not included in the signaling data, the maximum number of IBC candidates is set to a value between 1 to 6.~~