

CLAIMS

1. A method for encoding syntax information associated with video information comprising:

identifying a coding context associated with a syntax element of a current coding unit
5 of the video information, wherein the identifying occurs without using a syntax element of a neighboring block; and

encoding the syntax element of the current coding unit based on the coding context, wherein the syntax element of the current coding unit indicates use of a video encoding mode or video decoding mode and comprises an adaptive motion vector resolution mode syntax.

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2. A method for decoding syntax information associated with video information comprising:

identifying a coding context associated with a syntax element of a current coding unit
of the video information, wherein the identifying occurs without using a syntax element of a
15 neighboring block; and

decoding the syntax element of the current coding unit based on the coding context, wherein the syntax element of the current coding unit indicates use of a video encoding mode or video decoding mode and comprises an adaptive motion vector resolution mode syntax.

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3. Apparatus for encoding syntax information associated with video information comprising:

one or more processors configured to

identify a coding context associated with a syntax element of a current coding unit without using a syntax element of a neighboring block; and

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encode the syntax element of the current coding unit based on the coding context, wherein the syntax element of the current coding unit indicates use of a video encoding mode or video decoding mode and comprises an adaptive motion vector resolution mode syntax.

4. Apparatus for decoding syntax information associated with video information
30 comprising:

one or more processors configured to

identify a coding context associated with a syntax element of a current coding unit without using a syntax element of a neighboring block; and

decode the syntax element of the current coding unit based on the coding context, wherein the syntax element of the current coding unit indicates use of a video encoding mode or video decoding mode and comprises an adaptive motion vector resolution mode syntax.

5 5. The method of claim 1 or 2, or the apparatus of claim 3 or 4, wherein the syntax element of the current coding unit further comprises one or more of a skip mode flag, or an adaptive motion vector resolution mode flag, or a triangular prediction mode, or a current picture referencing mode, or an adaptive loop filter mode, or a partitioning mode, or an affine mode.

10 6. The method or apparatus of any of claims 1 to 5, wherein the encoding and/or decoding comprises entropy encoding and/or entropy decoding.

15 7. The method or apparatus of claim 6, wherein the entropy encoding and/or entropy decoding comprises CABAC.

 8. The method or apparatus of any of claims 1 - 6, wherein the neighboring block comprises at least one of a neighboring block on the left of the current coding unit or a neighboring block above the current coding unit.

20 9. The method of any of claims 1, 2, 5-8, or the apparatus of any of claims 3-8, wherein the syntax element of the current coding unit comprises an adaptive motion vector resolution (AMVR) syntax element and the identifying, or the one or more processors being configured to identify, the coding context associated with the syntax element of the current
25 coding unit is based on determining an affine mode of the current coding unit.

 10. The method or apparatus of claim 9, wherein determining the affine mode of the current coding unit is based on an inter-affine flag.

30 11. A computer program product including instructions, which, when executed by a computer, cause the computer to carry out the method according to claim 1 or 2, or any of claims 5-10 when depending from claim 1 or 2.

12. A non-transitory computer readable medium storing executable program instructions to cause a computer executing the instructions to perform a method according to claim 1 or 2, or any of claims 5-10 when depending from claim 1 or 2.

5 13. A signal comprising data generated according to the method of claim 1, or any of claims 5-10 when depending from claim 1.

10 14. A bitstream, formatted to include syntax elements and encoded image information in accordance with the method of claims 1 or any of claims 5-10 depending from claim 1.

 15. A device comprising:
 an apparatus according to claim 3 or 4, or any of claims 5-10 depending from claim 3 or 4; and
15 at least one of (i) an antenna configured to receive a signal, the signal including data representative of the image information, (ii) a band limiter configured to limit the received signal to a band of frequencies that includes the data representative of the image information, and (iii) a display configured to display an image from the image information.

20 16. The device of claim 15, wherein the device comprises one of a television, a television signal receiver, a set-top box, a gateway device, a mobile device, a cell phone, a tablet, or other electronic device.