

WHAT IS CLAIMED IS:

1. A decoder, the decoder comprising circuitry configured to:

receive a bitstream, wherein the bitstream includes a current picture, the current picture including a current block having at least a first partition boundary partitioning the block into first and second non-rectangular regions, and a second partition boundary, intersecting the at least first partition boundary, partitioning the second non-rectangular region to partition the current block into three portions; determine a first predictor for use within the first non-rectangular region using a first motion vector selected from a first list of motion vector candidates; determine a second predictor for use within the second non-rectangular region using a second motion vector selected from a second list of motion vector candidates; and decode the current block using the first predictor and the second predictor, wherein decoding further comprises smoothing the first predictor and the second predictor across the at least first partition boundary.

2. The decoder of claim 1 wherein the current block is a current coding tree unit.

3. The decoder of claim 1 wherein the first partition includes a first geometric partition.

4. The decoder of claim 1 wherein the second partition includes a second geometric partition.

5. A decoder, the decoder comprising circuitry configured to:

receive a bitstream, wherein the bitstream includes a current picture, the current picture including a current block having a block size of $N \times N$ where N is equal to 64 or 128, and having at least a first geometric partition boundary partitioning the block into first and second non-rectangular regions, and a second geometric partition boundary, intersecting the at least first geometric partition boundary, partitioning the second non-rectangular region to partition the current block into three portions; determine a first predictor for use within the first non-rectangular region using a first

motion vector selected from a first list of motion vector candidates;
determine a second predictor for use within the second non-rectangular region using a
second motion vector selected from a second list of motion vector candidates;
and

5 decode the current block using the first predictor and the second predictor, wherein
decoding further comprises smoothing the first predictor and the second
predictor across the at least first geometric partition boundary.

6. The decoder of claim 5 wherein the current block is a current coding tree unit.