

WHAT IS CLAIMED IS:

1. A decoder, the decoder comprising circuitry configured to:
 - receive a coded bitstream including a Sequence Parameter Set and a sequence of coded pictures, wherein the Sequence Parameter Set allows three global motion modes for a sequence
 - 5 of coded pictures, and wherein the three global motion modes include translational motion, 4-parameter affine motion, and 6-parameter affine motion;
 - detect in the Sequence Parameter Set that only translational global motion model is enabled, and that the affine global motion modes are disabled for the sequence of coded pictures;
 - decode one coded picture in the sequence by decoding a global motion region in the
 - 10 picture using translational motion, the global motion region in the picture comprising multiple 128×128 coding units; and
 - detect that one of the coding units is coded with a geometric mode and has an angled boundary therein.
- 15 2. The decoder of claim 1, wherein the header includes a picture parameter set (PPS).
3. The decoder of claim 1, wherein the header includes a sequence parameter set (SPS).
4. The decoder of claim 1, wherein each current block is a coding tree unit.
- 20 5. A method comprising:
 - receiving, by a decoder, a coded bitstream including a Sequence Parameter Set and a sequence of coded pictures, wherein the Sequence Parameter Set allows three global motion modes for a sequence of coded pictures, and wherein the three global motion modes include
 - 25 translational motion, 4-parameter affine motion, and 6-parameter affine motion;
 - detecting in the Sequence Parameter Set that only translational global motion model is enabled, and that the affine global motion modes are disabled for the sequence of coded pictures;
 - decoding one coded picture in said sequence by decoding a global motion region in the one picture using translational motion, the global motion region in the picture comprising
 - 30 multiple 128×128 coding units; and

detecting that one of the coding units is coded with a geometric mode and has an angled boundary therein.

6. The method of claim 5, wherein the header includes a picture parameter set (PPS).

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7. The method of claim 5, wherein the header includes a sequence parameter set (SPS).

8. The method of claim 5, wherein each current block is a coding tree unit.

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