

CLAIMS

1. A method for decoding video data comprising:

decoding a syntax element indicating whether a plurality of constraint flags,
5 each controlling an activation of a coding tool, are explicitly coded in a video
bitstream or whether all constraint flags of the plurality are inferred from a
single binary value.

2. The method of claim 1, further comprising:

10 obtaining the plurality of constraint flags based on the syntax element; and
decoding an image block based on the plurality of constraint flags.

3. An apparatus for decoding video data comprising electronic circuitry
configured for:

15 decoding a syntax element indicating whether a plurality of constraint flags,
each controlling an activation of a coding tool, are explicitly coded in a video
bitstream or whether all constraint flags of the plurality are inferred from a
single binary value.

20 4. The apparatus of claim 3, wherein the electronic circuitry is further
configured for:

obtaining the plurality of constraint flags based on the syntax element; and
decoding an image block based on the plurality of constraint flags.

25 5. The method of claim 1 or claim 2, wherein the plurality of constraint flags
comprises subsets of constraint flags and, for at least one of the subsets of
constraint flags, another syntax element indicates whether the constraint flags
of the subset are explicitly coded in the video bitstream or inferred from the
single binary value.

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6. The apparatus of claim 3 or 4, wherein the plurality of constraint flags comprises subsets of constraint flags and, for at least one of the subsets of constraint flags, another syntax element indicates whether the constraint flags of the subset are explicitly coded in the video bitstream or inferred from the single binary value.

7. A method for encoding video data comprising:
encoding a syntax element indicating whether a plurality of constraint flags, each controlling an activation of a coding tool, are explicitly coded in a video bitstream or whether all constraint flags of the plurality are inferred from a single binary value.

8. The method of claim 7, further comprising:
encoding the plurality of constraint flags based on the syntax element; and
encoding an image block based on the plurality of constraint flags.

9. The method of claim 7 or 8, wherein the plurality of constraint flags is split into subsets of constraint flags and, for at least one of the subsets of constraint flags, another syntax element indicates whether the constraint flags of that subset are explicitly coded in the video bitstream or inferred from the single binary value.

10. An apparatus for encoding video data, comprising electronic circuitry configured for:
encoding a syntax element indicating whether a plurality of constraint flags, each controlling an activation of a coding tool, are explicitly coded in a video bitstream or whether all constraint flags of the plurality are inferred from a single binary value.

11. The apparatus of claim 10, wherein the electronic circuitry is further configured for:
encoding the plurality of constraint flags based on the syntax element; and

encoding an image block based on the plurality of constraint flags.

12. The apparatus of claim 10 or 11, wherein the plurality of constraint flags is split into subsets of constraint flags and, for at least one of the subsets of
5 constraint flags, another syntax element indicates whether the constraint flags of that subset are explicitly coded in the video bitstream or inferred from the single binary value.

13. A non-transitory computer readable storage medium having stored thereon
10 instructions for causing one or more processors to implement a method for encoding video data comprising:
encoding a syntax element indicating whether a plurality of constraint flags, each controlling an activation of a coding tool, are explicitly coded in a video bitstream or whether all constraint flags of the plurality are inferred from a
15 single binary value.

14. The non-transitory computer readable storage medium of claim 13, wherein the method for encoding video data further comprises:
encoding the plurality of constraint flags based on the syntax element; and
20 encoding an image block based on the plurality of constraint flags.

15. The non-transitory computer readable storage medium of claim 13 or 14, wherein the plurality of constraint flags is split into subsets of constraint flags and, for at least one of the subsets of constraint flags, another syntax
25 element indicates whether the constraint flags of that subset are explicitly coded in the video bitstream or inferred from the single binary value.

16. A non-transitory computer readable storage medium having stored thereon instructions for causing one or more processors to implement a
30 method for decoding video data comprising:
decoding a syntax element indicating whether a plurality of constraint flags, each controlling an activation of a coding tool, are explicitly coded in a video

bitstream or whether all constraint flags of the plurality are inferred from a single binary value.

17. The non-transitory computer readable storage medium of claim 16,
5 wherein the method for decoding video data further comprises:
obtaining the plurality of constraint flags based on the syntax element; and
decoding an image block based on the plurality of constraint flags.

18. The non-transitory computer readable storage medium of claim 16 or 17,
10 wherein the plurality of constraint flags comprises subsets of constraint flags
and, for at least one of the subsets of constraint flags, another syntax
element indicates whether the constraint flags of that subset are explicitly
coded in the video bitstream or inferred from the single binary value.

15 19. A computer program comprising instructions for implementing the method
of claim 1 or 7.

20. A bitstream formatted to include:
a syntax element indicating whether a plurality of constraint flags, each
20 controlling an activation of a coding tool, are explicitly coded in a portion of a
video bitstream or whether all constraint flags of the plurality are inferred from
a single binary value.

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