

CLAIMS

1. A method of processing video data, comprising:
performing a conversion between a video and a bitstream of the video,
wherein the bitstream comprises one or more supplemental enhancement information, SEI,
network abstraction layer (NAL) units according to a rule,
wherein the rule specifies that, responsive to an SEI NAL unit including a non-scalable-nested
SEI message of a first payload type, the SEI NAL unit is disallowed to include another SEI
message of a second payload type.
2. The method of claim 1, wherein the non-scalable-nested SEI message is an SEI message that
is not contained in a scalable nesting SEI message.
3. The method of claim 1 or 2, wherein the non-scalable-nested SEI message of the first payload
type corresponds to a buffering period (BP) SEI message, a picture timing (PT) SEI message, a
decoding unit information (DUI) SEI message, or a subpicture level information (SLI) SEI
message.
4. The method of claim 1 or 2, wherein the first payload type is equal to 0, 1, 130 or 203.
5. The method of any of claims 1 to 4, wherein the non-scalable-nested SEI message of the
second payload type does not correspond to any of a buffering period (BP) SEI message, a
picture timing (PT) SEI message, a decoding unit information (DUI) SEI message, and a
subpicture level information (SLI) SEI message.
6. The method of any of claims 1 to 4, wherein the second payload type is not equal to any of 0,
1, 130 and 203.
7. A method of processing video data, comprising:
performing a conversion between a video and a bitstream of the video according to a rule,

wherein the bitstream comprises one or more supplemental enhancement information, SEI, network abstraction layer (NAL) units according to a rule,

wherein the rule specifies that, responsive to an SEI NAL unit including a scalable-nested SEI message of a first payload type, the SEI NAL unit is disallowed to include another SEI message of a second payload type.

8. The method of claim 7, wherein the scalable-nested SEI message is an SEI message that is contained in a scalable nesting SEI message.

9. The method of claim 7 or 8, wherein the scalable-nested SEI message of the first payload type corresponds to a buffering period (BP) SEI message, a picture timing (PT) SEI message, a decoding unit information (DUI) SEI message, or a subpicture level information (SLI) SEI message.

10. The method of claim 7 or 8, wherein the first payload type is equal to 0, 1, 130 or 203.

11. The method of any of claims 7 to 10, wherein the scalable-nested SEI message of the second payload type does not correspond to any of a buffering period (BP) SEI message, a picture timing (PT) SEI message, a decoding unit information (DUI) SEI message, a subpicture level information (SLI) SEI message, and a scalable nesting information SEI message.

12. The method of any of claims 7 to 10, wherein the second payload type is not equal to any of 0, 1, 130, 203, and 133.

13. A method of processing video data, comprising:

performing a conversion between a video and a bitstream of the video,
wherein the bitstream comprises one or more supplemental enhancement information, SEI, network abstraction layer (NAL) units according to a rule,

wherein the rule specifies that, responsive to an SEI NAL unit including a SEI message of a first payload type, the SEI NAL unit is disallowed to include another SEI message not equal to the first payload type or a second payload type.

14. The method of claim 13, wherein the SEI message of the first payload type corresponds to a filler payload SEI message.
15. The method of claim 13 or 14, wherein the first payload type is equal to 3.
16. The method of any of claims 13 to 15, wherein the rule further specifies that the SEI message of the first payload type is disallowed to be contained in a scalable nesting SEI message.
17. The method of any of claims 13 to 16, wherein the rule further specifies that the SEI message of the second payload type is a scalable nesting SEI message.
18. The method of any of claims 13 to 16, wherein the second payload type is equal to 133.
19. The method of any of claims 1 to 18, wherein the conversion includes encoding the video into the bitstream.
20. The method of any of claims 1 to 18, wherein the conversion includes decoding the video from the bitstream.
21. The method of any of claims 1 to 18, wherein the conversion includes generating the bitstream from the video, and the method further comprises: storing the bitstream in a non-transitory computer-readable recording medium.
22. A video processing apparatus comprising a processor configured to implement a method recited in any one or more of claims 1 to 21.
23. A method of storing a bitstream of a video, comprising, a method recited in any one of claims 1 to 21, and further including storing the bitstream to a non-transitory computer-readable recording medium.

24. A computer readable medium storing program code that, when executed, causes a processor to implement a method recited in any one or more of claims 1 to 21.
25. A computer readable medium that stores a bitstream generated according to any of the above described methods.
26. A video processing apparatus for storing a bitstream, wherein the video processing apparatus is configured to implement a method recited in any one or more of claims 1 to 21.