SIGNALING OF SLICE AND TILE PICTURE PARTITIONS

CROSS REFERENCE TO RELATED APPLICATIONS

[001] This application is based on International Patent Application No. PCT/CN2021/077216 filed on February 22, 2021, which claims the priority to and benefits of International Patent Application No. PCT/CN2020/076158, filed on February 21, 2020. All of the aforementioned patent applications are hereby incorporated by reference in their entireties.

TECHNICAL FIELD

[002] This patent document relates to image and video coding and decoding.

BACKGROUND

[003] Digital video accounts for the largest bandwidth use on the internet and other digital communication networks. As the number of connected user devices capable of receiving and displaying video increases, it is expected that the bandwidth demand for digital video usage will continue to grow.

SUMMARY

[004] The present document discloses techniques that can be used by video encoders and decoders for processing coded representation of video using control information useful for decoding of the coded representation.

[005] In one example aspect, a video processing method is disclosed. The method includes performing a conversion between a video picture of a video and a bitstream of the video according to a rule. The video picture comprises one or more slices and the rule specifies that a syntax element indicating a difference between tile indices of two rectangular slices is present in the bitstream responsive to at least one condition being satisfied. A first rectangular slice of the two rectangular slices is represented as i-th rectangular slice, where i is an integer.

[006] In another example aspect, a video processing method is disclosed. The method includes performing a conversion between a video picture of a video and a bitstream of the video according to a rule. The video picture comprises one or more sub-pictures and each sub-picture comprises one or more rectangular slices. The rule specifies that a slice index at a sub-picture