SYNTAX CONSTRAINTS IN PARAMETER SET SIGNALING OF SUBPICTURES

CROSS REFERENCE TO RELATED APPLICATIONS

[001] This application is a national phase of International Patent Application No. PCT/CN2020/121767, filed on October 19, 2020, which claims the priority to and benefits of International Patent Application No. PCT/CN2019/111807, filed on October 18, 2019. The entire disclosure of the aforementioned applications is incorporated by reference as part of the disclosure of this application.

TECHNICAL FIELD

[002] This document is related to video and image coding and decoding technologies.

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 disclosed techniques may be used by video or image decoder or encoder embodiments for in which sub-picture based coding or decoding is performed.

[005] In one example aspect a method of video processing is disclosed. The method includes performing a conversion between a picture of a video and a bitstream representation of the video. The picture comprises one or more sub-pictures, and the bitstream representation conforms to a format rule that specifies that a length of a syntax element is equal to Ceil(Log2(SS)) bits. SS is greater than 0, and the syntax element indicating a horizontal or a vertical position of a top-left corner of a coding tree unit of a sub-picture of the picture.

[006] In another example aspect a method of video processing is disclosed. The method includes performing a conversion between a picture of a video and a bitstream representation of the video, wherein the picture comprises one or more sub-pictures. The bitstream representation conforms to a format rule that specifies that different sub-pictures have different identifiers.