

DETERMINATION OF PICTURE PARTITION MODE BASED ON BLOCK SIZE

CROSS-REFERENCE TO RELATED APPLICATIONS

[001] This application is based on International Patent Application No. PCT/CN2020/104785, filed on July 27, 2020, which claims the priority to and benefits of International Patent Application No. PCT/CN2019/097926 filed on July 26, 2019 and International Patent Application No. PCT/CN2019/103892 filed on August 31, 2019. All the aforementioned patent applications are hereby incorporated by reference in their entireties.

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 to performing coding or decoding of video in which the picture partition mode is determined based on block size.

[005] In an example aspect a method of video processing is disclosed. The method includes using a dimension of a virtual pipeline data unit (VPDU) used for a conversion between a video comprising one or more video regions comprising one or more video blocks and a bitstream representation of the video to perform a determination of whether a ternary-tree (TT) or a binary tree (BT) partitioning of a video block of the one or more video blocks is enabled, and performing, based on the determination, the conversion, wherein the dimension is equal to VSize in luma samples, wherein dimensions of the video block are CtbSizeY in luma samples, wherein $VSize = \min(M, CtbSizeY)$, and wherein M is a positive integer.

[006] In another example aspect a method of video processing is disclosed. The method includes using, for a conversion between a video comprising one or more video regions