CONSTRAINTS ON MODEL-BASED RESHAPING IN VIDEO PROCESSING

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application is based on International Patent Application No. PCT/CN2020/078388, filed on March 9, 2020, which claims the priority to and benefit of International Patent Application No. PCT/CN2019/077429, filed on March 8, 2019. All the aforementioned patent applications are hereby incorporated by reference in their entireties.

TECHNICAL FIELD

[0002] This patent document relates to video coding techniques, devices and systems.

BACKGROUND

[0003] Currently, efforts are underway to improve the performance of current video codec technologies to provide better compression ratios or provide video coding and decoding schemes that allow for lower complexity or parallelized implementations. Industry experts have recently proposed several new video coding tools and tests are currently underway for determining their effectivity.

SUMMARY

[0004] Devices, systems and methods related to digital video coding, and specifically, to quantization step signaling and interactions of block-based in-loop reshaping with other tools in video coding. It may be applied to the existing video coding standard like HEVC, or the standard (Versatile Video Coding) to be finalized. It may be also applicable to future video coding standards or video codec.

[0005] In one representative aspect, the disclosed technology may be used to provide a method for video processing. This method includes: determining, for a conversion between multiple video units of a video region of a video and a coded representation of the multiple video units, reshaping model information that is commonly shared by the multiple video units; and