SIGNALING OF SLICE TYPES IN VIDEO PICTURES HEADERS

CROSS-REFERENCE TO RELATED APPLICATION

[0001] This application is a national phase of International Application No. PCT/CN2020/140044, filed on December 28, 2020, which claims the priority to and benefits of International Patent Application No. PCT/CN2019/129069 filed on December 27, 2019. For all purposes under the law, the entire disclosures of the aforementioned applications are incorporated by reference as part of the disclosure of this application.

TECHNICAL FIELD

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

BACKGROUND

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

[0003] Devices, systems and methods related to digital video coding, and specifically, to signaling of slice types in video picture headers are described. The described methods may be applied to existing video coding standards (e.g., High Efficiency Video Coding (HEVC) or Versatile Video Coding) and future video coding standards or video codecs.

[0004] In a representative aspect, the disclosed technology may be used to provide a method for video processing. This method includes performing a conversion between a video comprising one or more video pictures comprising one or more slices and a bitstream of the video, wherein the bitstream conforms to a format rule, and wherein the format rule specifies that for a video picture of the one or more video pictures having all slices coded as I slices, P slice and B slice related syntax elements are omitted from a picture header for the video picture.