CROSS COMPONENT ADAPTIVE LOOP FILTERING FOR VIDEO CODING

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] ~~Under the applicable patent law and/or rules pursuant to the Paris Convention, this application is made to timely claim.~~ This application is based on International Patent Application No. PCT/US2020/067651, filed on December 31, 2020, which claims the priority to and benefits of International Patent Application No. PCT/CN2020/070001, filed on January 1, 2020. ~~For all purposes under the law, the entire disclosure of the aforementioned application is incorporated by reference as part of the disclosure of this application.~~ All the aforementioned patent applications are hereby incorporated by reference in their entireties.

TECHNICAL FIELD

[0001] This patent document relates to video coding techniques, devices and systems.

BACKGROUND

[0002] 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

[0002] Devices, systems and methods related to digital video coding, and specifically, to management of motion vectors 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.

[0003] In one representative aspect, the disclosed technology may be used to provide a method for video processing. This method includes performing a conversion between a video unit of a video and a bitstream of the video according to a rule, where the rule specifies that whether a cross-component adaptive loop filter (CC-ALF) mode and an adaptive loop filter (ALF) mode are enabled for coding the video unit are indicated in the bitstream in a mutually independent manner.