SELECTIVE USE OF ALTERNATIVE INTERPOLATION FILTERS IN VIDEO PROCESSING

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This is a national phase of International Patent Application No. PCT/CN2020/110147, filed on August 20, 2020, which claims the priority to and benefit of International Patent Application No. PCT/CN2019/101541, filed on August 20, 2019. The entire disclosure of the aforementioned application is incorporated by reference as part of the disclosure of this application.

TECHNICAL FIELD

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

BACKGROUND

[0003] In spite of the advances in video compression, digital video still 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

[0004] Devices, systems and methods related to digital video processing, and specifically, to deriving 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.

[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 a current video block of a current picture of a video and a coded representation of the video, an applicability of an alternative interpolation filter, wherein the applicability of the alternative interpolation filter indicates whether to apply the alternative interpolation filter in the conversion; and performing the conversion based on the determining; wherein the applicability of the alternative interpolation filter is determined