

USING INTERPOLATION FILTERS FOR HISTORY BASED MOTION VECTOR PREDICTION

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application is the national phase of International Patent Application No. PCT/CN2020/082752, filed on April 1, 2020. Under the applicable patent law and/or rules pursuant to the Paris Convention, this application is made to timely claim the priority to and benefit of International Patent Application No. PCT/CN2019/080754, filed on April 1, 2019. All the aforementioned patent applications are hereby incorporated by reference in their entireties.

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 performing a conversion between a current video block of a video and a coded representation of the video, wherein the coded representation includes a first parameter that indicates a motion information precision from a multiple precision set for the current video block that does not use a default motion information precision and/or a second parameter which identifies whether an alternative half-pel interpolation filter is used for the conversion, and wherein