INTERPLAY BETWEEN REFERENCE PICTURE RESAMPLING AND VIDEO CODING TOOLS

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application is a national phase of International Application No. PCT/CN2020/120554, filed on October 13, 2020, which claims the priority to and benefits of U.S. Provisional Patent Application No. 62/914,544, filed on October 13, 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 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 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.

[0004] 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 and a coded representation of the current video block, wherein, during the conversion, if a resolution and/or a size of a reference picture is different from a resolution and/or a size of the current video block, a same interpolation filter is applied to a group of adjacent or non-adjacent samples predicted using the current video block.