

SUB-REGION BASED DETERMINATION OF MOTION INFORMATION REFINEMENT

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This is a national phase of International Patent Application No. PCT/CN2020/090802, filed on May 18, 2020, which claims the priority to and benefits of International Patent Application No. PCT/CN2019/087193, filed on May 16, 2019, International Patent Application No. PCT/CN2019/090037, filed on June 4, 2019, International Patent Application No. PCT/CN2019/090903, filed on June 12, 2019, International Patent Application No. PCT/CN2019/093616, filed on June 28, 2019, International Patent Application No. PCT/CN2019/093973, filed on June 29, 2019, International Patent Application No. PCT/CN2019/094282, filed on July 1, 2019, International Patent Application No. PCT/CN2019/104489, filed on September 5, 2019, and International Patent Application No. PCT/CN2019/116757, filed on November 8, 2019. 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 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 coding including a sub-region based motion information refinement are described. The described methods may be applied to both the existing video coding standards (e.g., High Efficiency Video Coding (HEVC)) and future video coding standards (e.g., Versatile Video Coding (VVC)) or codecs.

[0005] In one representative aspect, the disclosed technology may be used to provide a method for video processing which includes determining, for a conversion between a current video block of a video and a coded representation of the video, that a motion information of the