

# **MAPPING RESTRICTION FOR INTRA-BLOCK COPY VIRTUAL BUFFER**

## **CROSS REFERENCE TO RELATED APPLICATIONS**

**[0001]** This application is a national phase of International Patent Application No. PCT/CN2020/104084, filed on July 24, 2020, which claims claim the priority to and benefits of International Patent Application No. PCT/CN2019/097742, filed on July 25, 2019; International Patent Application No. PCT/CN2019/109849, filed on October 7, 2019; and International Patent Application No. PCT/CN2019/122606, filed on December 3, 2019. The entire disclosure of the aforementioned applications 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**

**[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, and specifically, to general virtual buffers for intra block copy (IBC). 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 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 video picture of a video and a coded representation of the video, a number of reference samples in a reference region of the video picture used for predicting the current video block, based on a rule, wherein the rule specifies that the number of reference samples is limited to a certain range; and performing, based on the determining, the conversion.

**[0006]** In another example aspect, a method of video processing is disclosed. The method