

ABSTRACT

The present invention provides a chroma block prediction method and a device. The method includes: parsing a bitstream to obtain first indication information, where the first indication information is used to indicate a filter type; downsampling a first luma block by using a filter
5 corresponding to the filter type, to obtain a second luma block, where the first luma block is a luma block corresponding to a current chroma block; obtaining a template chroma sample and a template luma sample, where the template chroma sample includes a plurality of neighboring chroma samples of the current chroma block, and the template luma sample is obtained by performing a downsampling operation on a plurality of neighboring luma samples of the first luma block;
10 obtaining linear model coefficients based on the template chroma sample and the template luma sample; and obtaining a prediction value of the current chroma block based on the second luma block and the linear model coefficients.

FIGURE 13