CLAIMS

1. A video decoding method comprising:

obtaining reference sample information for determining locations of adjacent pixels to be used as reference samples of a current transform block;

determining the reference samples of the current transform block using the reference sample information, wherein the reference samples are determined from first adjacent pixels located in a pixel line in contact with one of a top boundary and a left boundary of the current transform block and second adjacent pixels in a pixel line at a distance from one of the top boundary and the left boundary of the current transform block;

when the reference samples are determined from the second adjacent pixels in the pixel line at the distance from the one of the top boundary and the left boundary of the current transform block, determining that a planar mode is not used as an intra prediction mode of a current coding block including the current transform block;

configuring an intra prediction mode candidate list including a plurality of candidate intra prediction modes without the planar mode, according to determining that the planar mode is not used as the intra prediction mode of the current coding block;

obtaining, from a bitstream, an index indicating an intra prediction mode among the plurality of candidate intra prediction modes included in the intra prediction mode candidate list;

determining the intra prediction mode of the current coding block using the index; and

performing intra prediction on the current transform block using the intra prediction mode of the current coding block.