ABSTRACT

A video decoder may be configured to construct motion vector candidates using possible sign values, respective magnitudes of motion vector difference components, and a motion vector predictor for a block of video data, wherein the possible sign values include a positive sign value and a negative sign value, sort the motion vector candidates based on a cost for each of the motion vector candidates to create a sorted list, determine a respective motion vector difference sign for each motion vector difference coordinate based on a motion vector sign predictor index and the sorted list, and decode the block of video data using the respective magnitudes of motion vector difference coordinates and the respective motion vector difference sign for each motion vector difference component.

Fig. 12