

ABSTRACT

Systems and methods for receiving a coded video bitstream including a current frame, a first reference frame and a second reference frame associated with a current block in the current frame, a joint motion vector difference (JMVD) associated with the first reference frame and the second reference frame, and a flag indicating whether one or more scaling factors are used to derive a motion vector difference (MVD) from the JMVD. A first/second MVD associated with the first/second reference frame may be derived based on applying a first/second scaling factor in the one or more scaling factors to the JMVD or based on a distance between the first/second reference frame and the current frame. The current block may be decoded based on the first MVD and the second MVD.

No Figure