ABSTRACT

VIDEO PREDICTION ENCODING DEVICE, VIDEO PREDICTION ENCODING METHOD, VIDEO PREDICTION ENCODING PROGRAM, VIDEO PREDICTION DECODING DEVICE, VIDEO PREDICTION DECODING METHOD, AND VIDEO PREDICTION DECODING PROGRAM

Enhanced performance of bi-prediction with a smaller amount of coding bits is provided. A predicted signal generation unit (103) provided in a video predictive encoding device includes: a means (122) which estimates a zero-th motion vector for derivation of a zero-th predicted signal, selects a zero-th motion vector predictor similar to the zero-th motion vector, and generates zero-th side information containing a zero-th motion vector predictor index to identify the motion vector predictor and a motion vector difference determined from the zero-th motion vector and the zero-th motion vector predictor; a means (121) which selects a motion vector for generation of a first predicted signal having a high correlation with a target region, which generates first side information containing a first motion vector predictor index to identify the motion vector as a first motion vector predictor, and which sets the first motion vector predictor to a first motion vector; and a means (123) which combines the zero-th and first predicted signals to generate a predicted signal of the target region.

FIG. 2