ABSTRACT

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

In an embodiment, an encoding target region in an image is partitioned into a plurality of prediction regions. Based on prediction information of a neighboring region neighboring a target region, the number of previously-encoded prediction regions in the target region, and previously-encoded prediction information of the target region, a candidate for motion information to be used in generation of a predicted signal of the target prediction region as a next prediction region is selected from previously-encoded motion information of regions neighboring the target prediction region. According to the number of candidates for motion information selected, merging block information to indicate generation of the predicted signal of the target prediction region using the selected candidate for motion information and motion information detected by prediction information estimation means, or either one of the merging block information or the motion information is encoded. In addition, the motion information to be used in generation of the predicted signal of the target prediction region is stored into prediction information storage means.

Figure 1