IMAGE DECODING DEVICE, IMAGE ENCODING DEVICE, IMAGE DECODING METHOD, AND IMAGE ENCODING METHOD

ABSTRACT

A loop filter unit 11 carries out a class classification of a local decoded image generated by an adding unit 9 into one class for each coding block having a largest size determined by an encoding controlling unit 2 and also designs a filter that compensates for a distortion piggybacked for each local decoded image belonging to each class, and also carries out a filtering process on the above-mentioned local decoded image by using the filter. A variable length encoding unit 13 encodes, as filter parameters, the filter designed by the loop filter unit 11 and used for the local decoded image belonging to each class, and a class number of each largest coding block.

Fig. 1