

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

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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
10 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
15 used for the local decoded image belonging to each class, and a class number of each largest coding block.

Fig. 1