

IMAGE CODING METHOD, IMAGE DECODING METHOD, IMAGE
CODING APPARATUS, IMAGE DECODING APPARATUS, AND IMAGE
CODING AND DECODING APPARATUS

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ABSTRACT

An image coding method, comprising: subtracting a prediction
signal (181) from the input image signal (191) for each coding unit
10 (CU), thereby generating respective prediction error signals (111);
performing orthogonal transform and quantization on a corresponding
one of the prediction error signals (111) for each transform unit (TU),
eventually generating quantization coefficients (131); and coding
15 pieces of management information indicating a structure of the
transform units (TU) and the quantization coefficients (131) into a
tree structure. Each of the transform units corresponds to a
corresponding one of leaf nodes in the tree structure. In the coding,
for each leaf node, management information and a quantization
20 coefficient (131) are coded, eventually generating a coded signal
(191) in which the coded management information and the coded
quantization coefficient are arranged in succession for each leaf node.

Figure 10B