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(54) IMAGE DECODING METHOD

(57) An image decoding method according to the
present invention comprises: generating a prediction
block by reconstructing the intra prediction mode and to
recreate a prediction block of the current block, or a
sub-block of the current block; reverse scanning for trans-
forming residual signals into a two-dimensional quanti-
zation block; reverse quantizing the quantization block
using a quantization parameter; and reverse transform-
ing the reverse quantization block. The quantization pa-
rameter predictor, used to reconstruct the quantization

parameter, is generated by using the quantization pa-
rameters of the blocks left and above the current block.
Therefore, the image quality is improved by adaptively
controlling the quantization parameters on the basis of
the encoding size, and the efficiency of image compres-
sion is improved by efficient encoding and decoding of
the quantization parameters which reduce the number of
bits necessary for transmitting quantization paramete-
rs.

FIG. 2

