ABSTRACT

IMAGE PROCESSING APPARATUS AND METHOD

An apparatus is provided for quantizing data obtained by transforming image data to a frequency zone so as to encode it. The speed at which such an apparatus performs processing is increased. Data is quantized on the basis of a plurality of coefficients C_1 for controlling a quantizing step. As a result of the quantization, reference encoding data items Nb1 to Nb4 are obtained. Coefficients C_5 to C_7 for controlling the quantizing step are generated when image data which is delayed by one frame is quantized. At this time, the data items Nb1 to Nb 4 are output by bit-shifting the result of the quantization.

FIGURE 1