

【ABSTRACT】

METHOD OF DERIVING QUANTIZATION PARAMETER

5 Provided is a method that restores a differential quantization parameter of a
current coding unit, generates a quantization parameter predictor of the current
coding unit using one or two quantization parameters of a left quantization parameter,
an above quantization parameter and a previous quantization parameter and
generates a quantization parameter of the current coding unit using the differential
10 quantization parameter and the quantization parameter predictor, wherein a minimum
size of quantization unit is adjusted per picture. Therefore, the complexity of the
encoding and decoding apparatus is reduced by adjusting the minimum size of the
quantization unit. Also, coding efficiency is improved by encoding the quantization
parameter using plurality quantization parameters and by signaling the minimum size
15 of the quantization unit per picture.

Fig. 1