

IMAGE PROCESSING DEVICE AND IMAGE PROCESSING METHOD

Abstract

5 [Problem] An improved system for efficiently generating or signaling quantized matrices is provided.

[Solution] An image processing device is provided. The image processing device includes a decoding unit that decodes scaling list data to generate a first quantizing
10 matrix of a first size, a generating unit that generates a second quantizing matrix for a transform block of a second size to which zeroing of a high-frequency component is applied, by referring to only a partial matrix of the first quantizing matrix generated by the decoding unit, and an
15 inverse quantizing unit that inversely quantizes a quantized transform coefficient of the transform block of the second size, using the second quantizing matrix generated by the generating unit.

20 FIG. 4