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(54) Title: **AN EFFICIENT TABLE-LOOKUP BASED VISUALLY-LOSSLESS IMAGE COMPRESSION SCHEME**

(57) Abstract

An image compression scheme is disclosed which models the human visual perception system. Using quantization of image error values, according to a visually-lossless scheme, an image can be compressed (130) such that it is visually indistinguishable to the naked eye from the original image. To aid in image compression on portable devices such as a digital camera, the quantization can be precoupled into a look-up table.

