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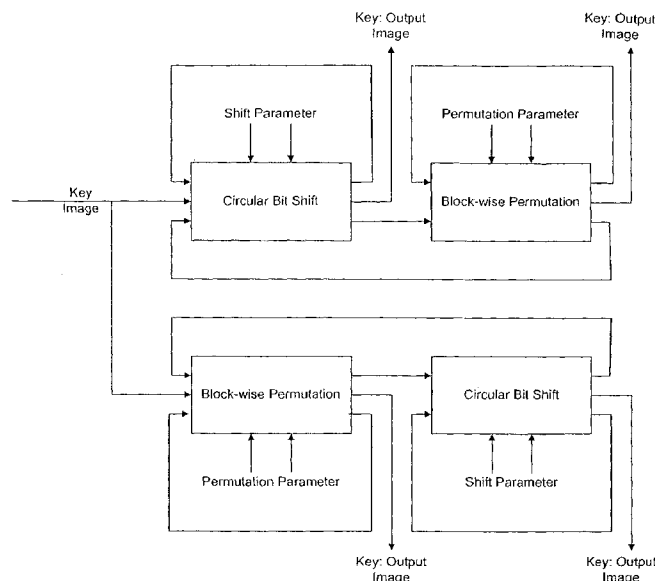
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(54) Title: SYSTEMS AND METHODS FOR DIGITAL CONTENT SECURITY



(57) Abstract: The present invention provides systems and methods for digital content security. In one embodiment, a method includes generating an input key, generation of the input key comprising a sequence of operations, the operations including: performing at least one circular-bit-shift operation on a gradient image, and performing at least one block-wise permutation on the gradient image. One such method further includes performing a fragile watermark-embedding algorithm using the input key. Another such method includes utilizing the input key for encryption.

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