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(57) Abstract :

The present disclosure relates to a system (100) for embedding digital information to secure an image, the system including a processor (106) operatively coupled to a transmitter (112) and a receiver (114), processor configured to receive, from an information input unit (104), the image, segment, the received image into blocks to select a high entropy block, apply, DWT on each of the selected high entropy blocks, to determine the sub-bands of the image, determine, adjustable strength factor, for each of first sub-band and second sub-band from the sub-bands to encode, first bits of digital information onto the first sub-band and second bits of digital information onto the second sub-band to obtain modified image by combining the segmented blocks. The modified image received at the receiver to extract the encoded digital information from the corresponding selected sub-bands.

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