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[54] **METHOD AND APPARATUS FOR ADAPTIVE HYBRID MOTION VIDEO COMPRESSION AND DECOMPRESSION**

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[57] ABSTRACT

A method and apparatus for compression and decompression of motion video data. According to one embodiment, a method for compression of a first frame of motion video is provided, wherein the first frame is compared to a base frame. Based on the comparison, an altered base frame is created that contains a set of one or more regions that are based on a set of one or more regions in the first frame and a set of one or more regions from the base frame. To encode the first frame, the altered base frame is compared to the first frame to derive a motion compensation vector based on a region in the altered base frame.

25 Claims, 11 Drawing Sheets

