ABSTRACT OF THE DISCLOSURE

TITLE: MOTION PICTURE DECODING SYSTEM AND MOTION PICTURE DECODING SYSTEM

A motion picture encoding system makes motion compensated prediction for the shape data of each alpha block included in an interlaced frame comprised of a pair of top and bottom fields so as to generate a frame-based prediction data for shape. The motion picture encoding system also makes motion compensated prediction for the shape data of each alpha block so as to generate a field-based prediction data for shape. An arithmetic encoding unit can inter-code shape data using the frame-based prediction data for shape, and inter-code the shape data using the field-based prediction data for shape. The arithmetic encoding unit then selects one of the coded results having the shortest code length.

Figure 1.



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