



[54] APPARATUS FOR ENCODING/DECODING VIDEO SIGNALS TO IMPROVE QUALITY OF A SPECIFIC REGION

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[30] Foreign Application Priority Data

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Jun. 29, 1990 [JP] Japan 2-173077

[51] Int. Cl.⁵ G06K 9/36

[52] U.S. Cl. 382/56; 358/135;
358/136

[58] Field of Search 382/48, 50, 56;
358/133, 135, 136, 105

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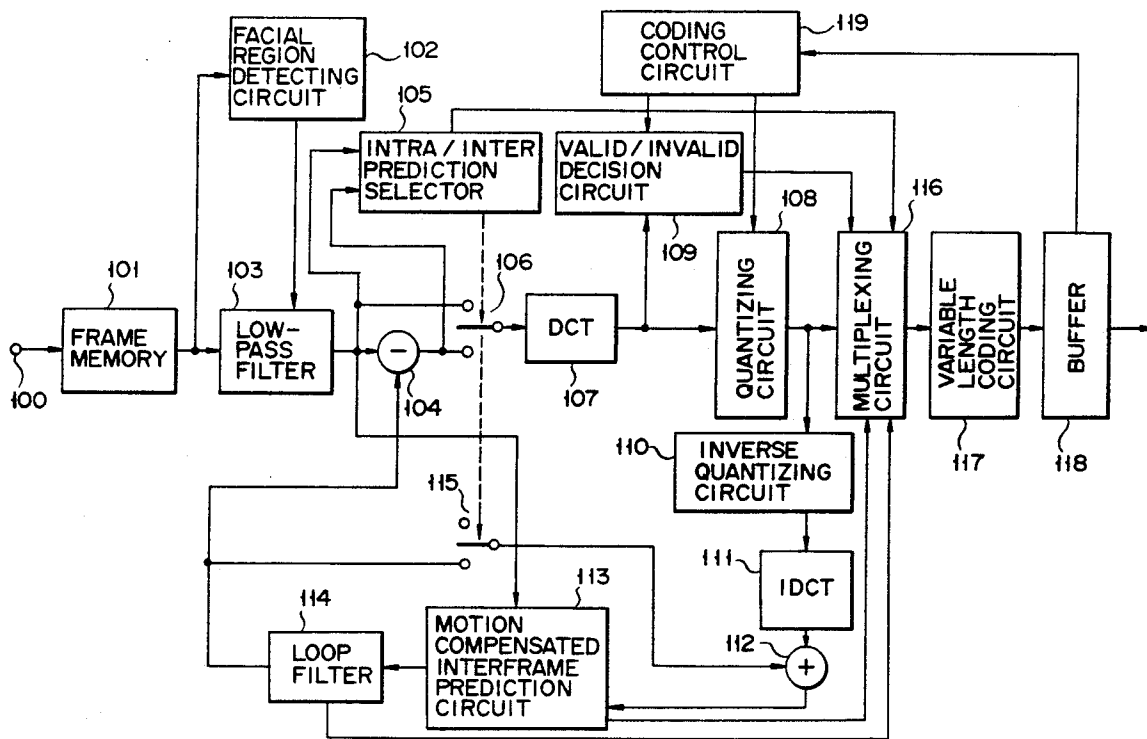
Primary Examiner—Jose Couso

Attorney, Agent, or Firm—Oblon, Spivak, McClelland, Maier & Neustadt

[57] ABSTRACT

An image encoding apparatus comprises a region detecting circuit for detecting a specific region from input image signals and outputting the region specifying signal for discriminating the specific region from other regions, a low-pass filter for selectively filtering and outputting the image signals of regions other than the specific region in the input image signals, and an encoding circuit for encoding the image signal output from the low-pass filter.

19 Claims, 13 Drawing Sheets



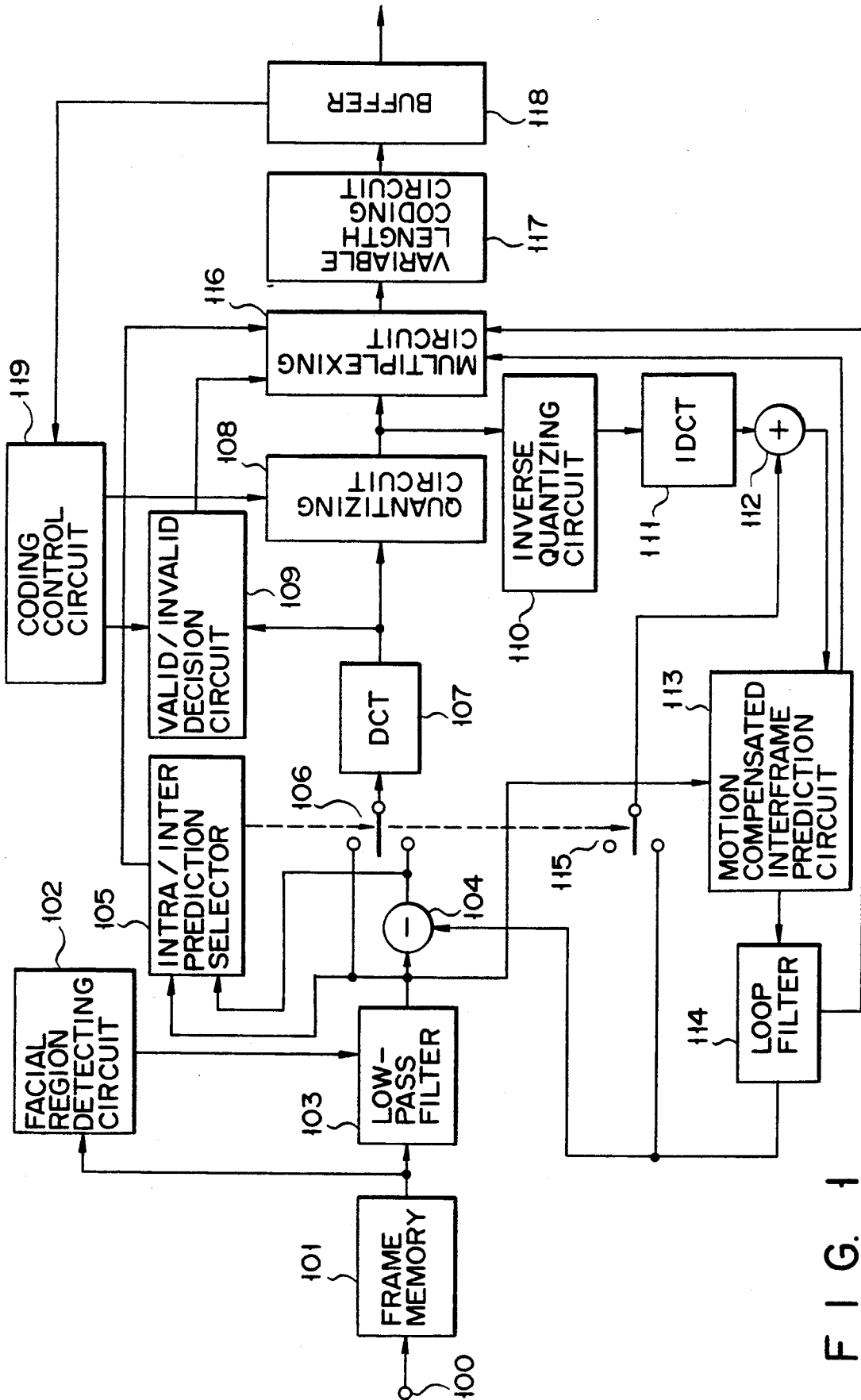


FIG. 1

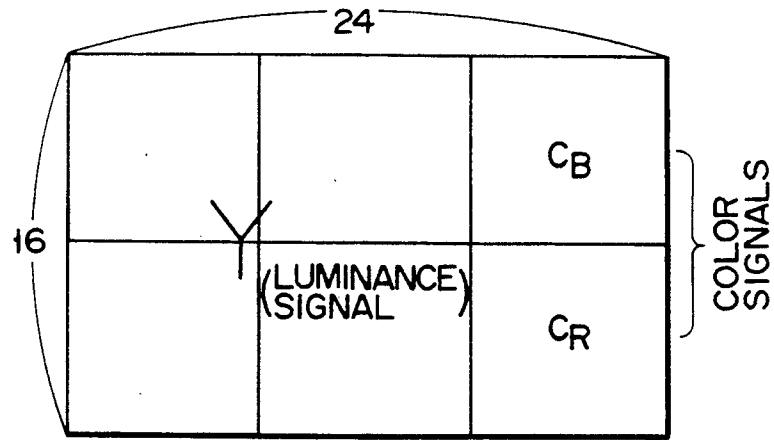


FIG. 2B

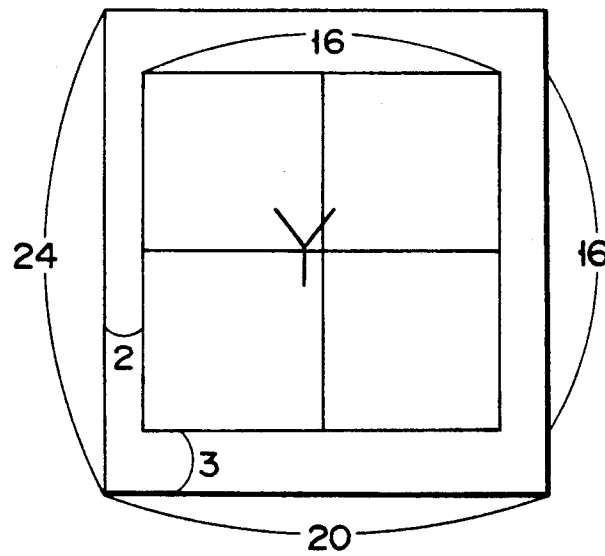


FIG. 2C

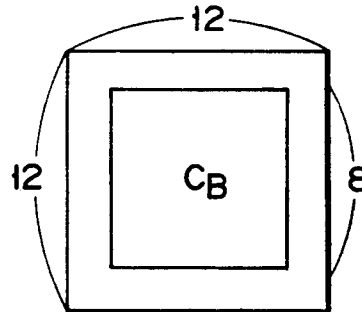
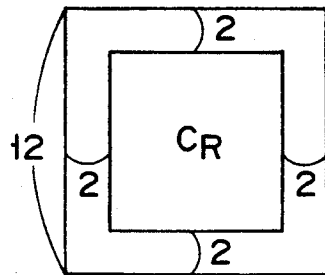


FIG. 2D



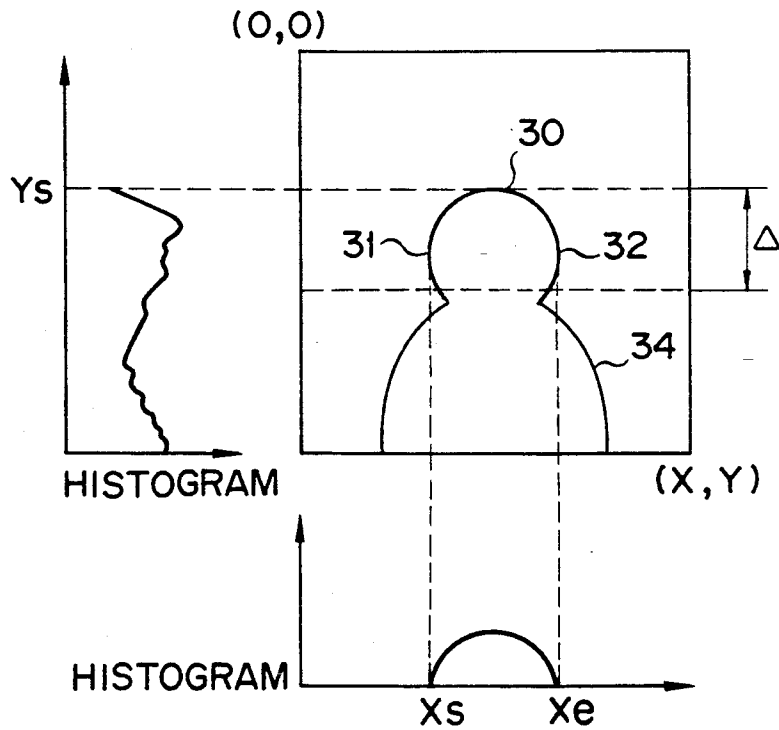


FIG. 3

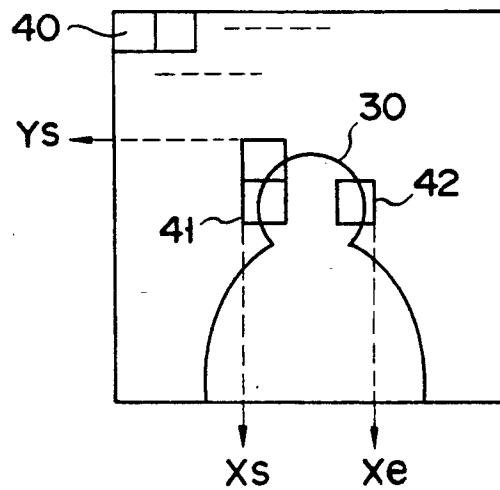
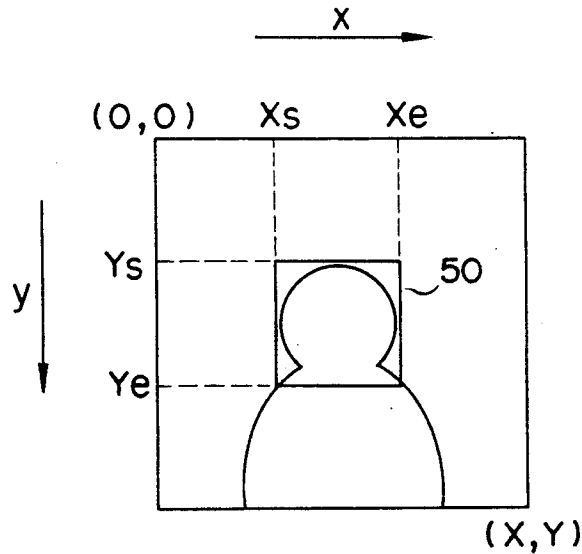


FIG. 4



FRAME DIFFERENCE
IMAGE

FIG. 5

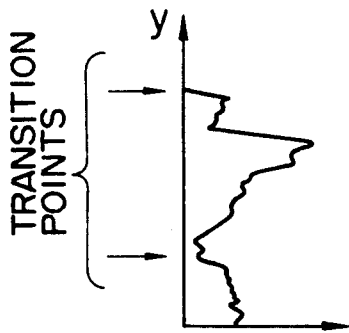


FIG. 7C

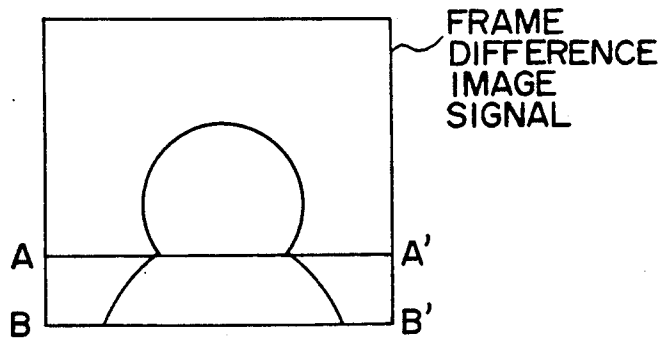


FIG. 7A

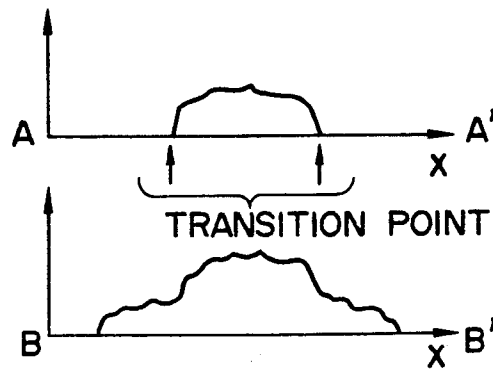


FIG. 7B

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