G00002

FIELD ELIMINATION APPARATUS FOR A VIDEO COMPRESSION/ DECOMPRESSION SYSTEM

ABSTRACT OF THE DISCLOSURE

Video signal compression apparatus includes a memory (12,14) for storing two fields of image data and providing fields of image data separated by one frame intervals. Image data from corresponding fields of successive frames are subtracted (16) to generate field differences. The field differences are accumulated (18) over respective field intervals, and the sum is compared (20) against a predetermined value. If a sum of differences over a field is less than the predetermined value, the most recent field is considered to be redundant and may be excised. After respective fields are excised (21), frames of video signal are composed (25) from the remaining fields. The field types (e.g., odd or even) of the fields in the memory are determined (11), and the data is accessed from the respective fields in memory such that data from odd and even fields occupy odd and even lines in the composed frames respectively. Flags (DF,DT) are associated with composed frames to indicate which fields contain data associated with excised fields, and which field of the composed frames should be displayed first.

Fig. 4