METHOD AND DEVICE FOR NON-INTERLACE SCAN DETECTION AND FIELD ELIMINATION

ABSTRACT OF THE DISCLOSURE

A method for determining which of similar video fields may be excised to enhance video signal compression evaluates parameters of four successive fields denoted 0, 1, 2, and 3. Accumulated differences d(0, 2) and d(1,3) of corresponding pixels in successive frames are generated. In addition a determination is made whether fields 1 and 2 exhibit interlace characteristics. If they do not exhibit interlaced characteristics, a comparison is made of d(0, 2) and d(1, 3). If d(0, 2) is less than d(1, 3) by a predetermined amount, field 2 is excised from the signal stream and a code is generated to condition a receiver to display two of the remaining four fields in a three field interval. Subsequently the latter two fields of the set of 0, 1, 2 and 3 fields, and the next two occurring fields are similarly analyzed.

FIG 3