

TEMPORAL-SPATIAL ERROR CONCEALMENT APPARATUS AND
METHOD FOR VIDEO SIGNAL PROCESSORS

ABSTRACT OF THE DISCLOSURE

A video decompression system includes block error concealment means (22,41,42) for generating substitute data for lost blocks of pixel data. An interpolator generates both spatially
5 (44) and temporally (40) interpolated or predicted blocks of data for concealing a lost block. Pixel data in the respective blocks of spatially and interpolated data are transformed (43) to coefficients representing frequency spectra. A substitute block of coefficients is assembled from coefficients from both the
10 transformed blocks, according to a predetermined criteria. The substitute block is transformed back to the spatial domain for substitution of lost pixel values

FIGURE 4