ABSTRACT

GLOBAL MOTION ADAPTIVE SYSTEM WITH MOTION VALUES CORRECTION WITH RESPECT TO LUMINANCE LEVEL

Global-adaptive deinterlacing systems and methods for reducing scintillation and feathering artifacts. Motion adaptive deinterlacing (MADI) local motion quantization thresholds are adaptively adjusted according to the amount of global motion present in the video sequence, thereby minimizing scintillation and feathering artifacts when deinterlacing the fields. A set of global motion scenarios are defined for the purpose of classifying fields, and a number of global motion indicators are used to detect on a field-by-field basis different global motion scenarios.

Fig. 12