

SYSTEM AND METHOD FOR IMAGE RECOVERY

Abstract of the Disclosure

A system and method to compensate for effects of a recording medium such as film on image data retrieved therefrom. Red, green, blue, and
5 infrared light is sequentially transmitted through film having an image exposed therein to the system which captures corresponding images. The infrared image maps the location, boundaries and intensities of the media defects. The map is employed combinatorially with the other captured
10 images resulting in an image from the film free of the effects of the film defects. In one embodiment the effects of the imperfections are divided out from the red, green, blue spectra in an operation dividing out the infrared image data on a pixel-by-pixel basis. In an alternate
embodiment wherein the imperfections substantially prevent transmission of IR light therethrough, the IR image map of the defects is nevertheless
15 employed with an automated fill-in algorithm more effectively utilized due to the precision with which the defect boundaries are known.

This Sheet Has Been Replaced
