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(54) Title: **HI-SPEED DETERMINISTIC APPROACH IN DETECTING DEFECTIVE PIXELS WITHIN AN IMAGE SENSOR**

(57) Abstract

What is disclosed is a method including downloading a sequence of images from an image sensor, and then marking on a map a pixel location of the sensor defective if a Defective Vote score exceeds a first threshold, the score tallied over all captured images. The defective pixel map is stored on a host computer, which performs the defective pixel detection on behalf of the sensor, rather than directly on the device incorporating the image sensor.

