ADVANCED INSPECTION METHOD UTILIZING SHORT PULSES LED ILLUMINATION

ABSTRACT:

An illumination module that may include a LED driver; a strip cable comprising multiple conductors that have a high ratio form factor and a low impedance and a low inductance factor; the forms factor is a ratio between a width of the strip cable and a thickness of the strip cable; a group of light emitting diodes (LEDs) that comprises at least one LED; the group of LED is coupled to the LED driver via the strip cable; wherein the LED driver is arranged to activate the group of LEDs by driving a high current short duration driving signal via the strip cable; and wherein the group of LEDs is arranged to emit at least one light pulse in response to the high current short duration driving signal.

(Figure 18)