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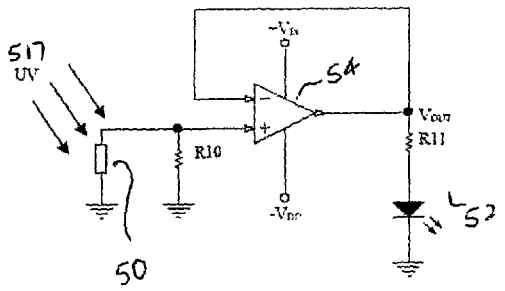

Figure 5

(57) Abstract: A UV light detector is disclosed that has a UV sensing element comprising a substrate and a thin film layer formed on the substrate. The thin film layer is for receiving and converting UV light into electricity for a photovoltaic output. First and second electrodes are formed on one surface of the thin film layer and are configured to form an electric polarization in the thin film layer between the first and second electrodes and to collect the photovoltaic output. There is also an amplifier and an output display. The UV sensing element is configured to collect the photovoltaic output, the amplifier being configured to receive the photovoltaic output from the UV sensing element, the output display being configured to provide a display when UV light is received at the one surface, the display being derived from the photovoltaic output. A UV dosimeter is also disclosed.

WO 2008/136768 A8