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(54) Title: A LIGHT OUTPUT SYSTEM AND DESIGN METHOD

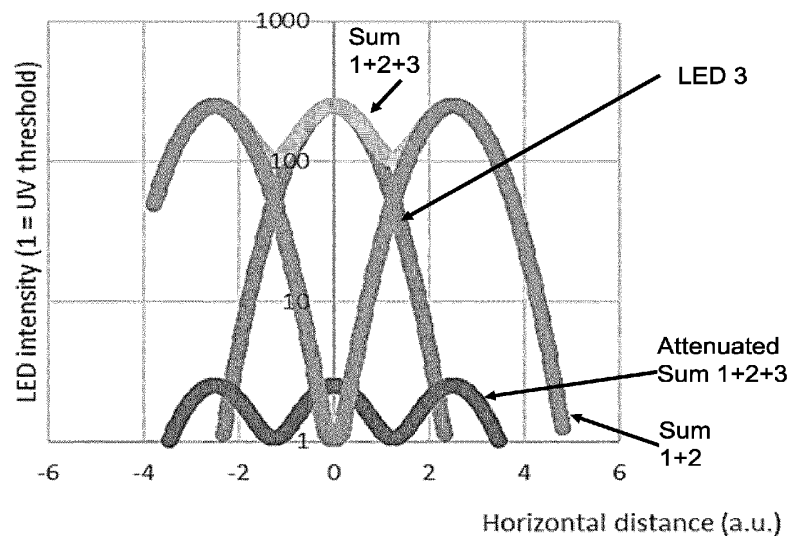


FIG. 5

(57) Abstract: The invention provides a light output system for delivering light to a region of interest, for providing at least a minimum light intensity to all of the region of interest. The system has more light sources of a particular kind than are needed to reach the minimum light intensity (to all of the region of interest), and they are operated with a duty cycle. The duty cycle ratio is reduced by a factor which is greater than the factor by which the number of light sources is increased above the minimum number, so that energy savings are obtained as well as an increased lifetime of the system.

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