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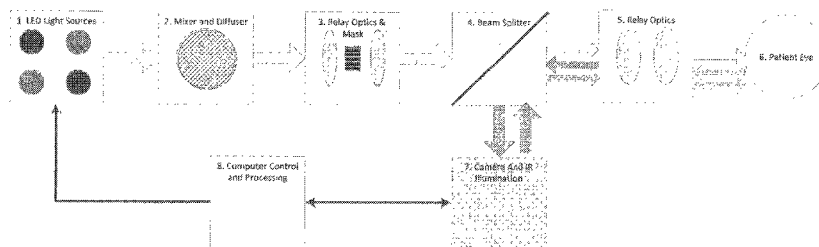
(54) **Title:** A METHOD AND SYSTEM FOR MONITORING AND/OR ASSESSING PUPILLARY RESPONSES

Figure 13

(57) **Abstract:** The present invention relates to a method for monitoring and/or assessing pupillary responses to a continuous illumination of light starting at a first intensity which is gradually changed to subsequent intensity over a predefined period of time. The method may be used to detect aberrant pupillary responses. Also included is a system comprising a light source with adjustable light intensity configured to expose one eye of a subject only or each of the eyes of the subject separately, to a continuous illumination of light starting at a first intensity which is gradually changed to a subsequent intensity over a predefined period of time; and a measuring device configured to measure a parameter associated with said eye's pupil response to the change in intensity of the continuous illumination of light at a succession of times over the period of time, to obtain a profile representing the pupillary response of said eye to the change in intensity of the continuous illumination of light corresponding to the succession of times over the predefined period of time.