

Title (en)

APPARATUS AND METHOD FOR COLLECTING AND DETECTING LIGHT EMITTED BY A LIGHTING APPARATUS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM SAMMELN UND DETEKTIEREN VON DURCH EINE BELEUCHTUNGSVORRICHTUNG EMITTIERTEM LICHT

Title (fr)

APPAREIL ET PROCEDE POUR RECUEILLIR ET DETECTER DE LA LUMIERE EMISE PAR UN APPAREIL D'ECLAIRAGE

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Application

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Abstract (en)

[origin: WO2006099732A1] The present invention provides a method and apparatus for collecting and detecting light emitted from a plurality of light-emitting elements. The light-emitting elements are grouped into two or more clusters of one or more light-emitting elements with the clusters arranged such that a portion of the light emitted from each cluster is directly incident upon a central axis, wherein every point along the central axis is equidistant from each cluster. A light collection means also having a central axis associated therewith is placed such that the central axis of the clusters and the central axis of the collection means coincide. The light collection means collects a substantially equal portion of light from each cluster and propagates the collected light to a detection means comprising an optical sensor for conversion to an electrical signal representative of the light emitted by the clusters. The electrical signal provided by the light detection means may be fed back to a controller for use in controlling the properties of the light emitted by the light-emitting elements.

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