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(54) Title: DEVICE, SYSTEM, AND METHOD FOR DISINFECTING AN AREA

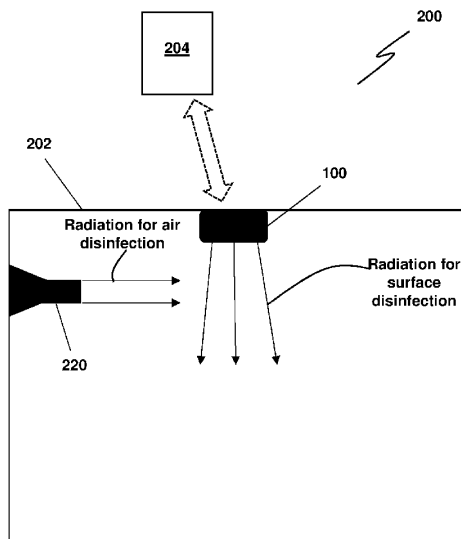


Figure 2a

(57) Abstract: This invention relates to a disinfection device comprising a housing for receiving a plurality of light emitting diode (LED) units capable of emitting radiation for disinfection, the housing having an internal surface coated with a light reflective material, the internal surface arranged to reflect radiation emitted from each of the LED units; wherein each of the plurality of LED units comprises a corresponding lens unit arranged to focus or collimate radiation emitted by the LED unit. A system for disinfection of an enclosed area comprising a plurality of the disinfection device, an air disinfection device in the form of a collimator, and a processor configured to toggle each of the plurality of LED units between an off state and an on state is also provided. A method for providing disinfection to an enclosed area having walls and a ceiling using the disinfection device is also provided.

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