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(54) Title: A LIGHTING STERILIZATION DEVICE

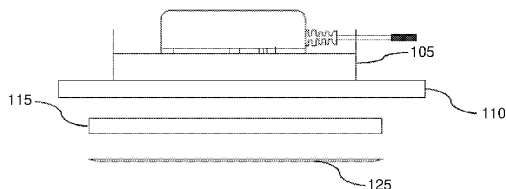


FIG. 1A

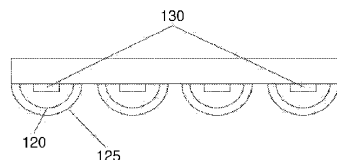


FIG. 1B

(57) Abstract: A lighting sterilization device configured to disinfect airborne and surface pathogens in an environment. The lighting device includes at least one lighting element configured to provide a light source, and an optical module coated with at least one nano-material.

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