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Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, or importing into the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

Michelle K. Lee

Director of the United States Patent and Trademark Office



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Chung et al.

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(54) **ILLUMINATION DEVICE**

(56) **References Cited**

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See application file for complete search history.

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(57) **ABSTRACT**

An illumination device including a voltage transformer module, a switching unit, a control module, a sensor module, a first illumination module and a second illumination module. The switching unit is coupled to the rectifier module and the voltage transformer module. The control module is coupled to the switching unit and the voltage transformer module. The sensor module is electrically connected to the control module. The sensor module senses an invading object within an induction area. The first illumination module is electrically connected to the switching unit. The second illumination module is electrically connected to the sensor module. The sensor module supplies electricity to the second illumination module to emit light. The sensor module outputs a sensing signal to the control module when the sensor module senses the invading object. The control module controls the switching unit to be turned on so that the first illumination module emits light.

12 Claims, 6 Drawing Sheets

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