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Patent Search

Invention Title	METHOD AND SYSTEM TO COMBAT A SECURITY BREACH IN A HOUSE USING A MACHINE LEARNING APPROACH
Publication Number	16/2022
Publication Date	22/04/2022
Publication Type	INA
Application Number	202211022455
Application Filing Date	15/04/2022
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06N0020000000, G06K0009620000, G06N0003040000, G06N0003080000, H04N0005770000

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Abstract:

The present invention relates to detection and prevention of a burglar activity. The method may include; capturing, through an imaging unit, an image of a field of vie
the captured image from the image sensor; comparing, the acquired image with the sample images in the burglar database to determine the burglar activity by apply
machine learning protocol; activating, each of the illumination bulb, each of the TV display and an autonomous door locking unit, based on the determined burglar ac
combat the security breach in the house.

Complete Specification

[0001]　　The present invention relates to a field of detection and prevention of burglar event. More particularly, the present invention relates to system and method combat a security breach in a house by using a machine learning approach.

Background

[0002]　　The background description includes information that may be useful in understanding the present invention. It is not an admission that any of the informa provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[0003]　　Typical home security systems consist of a network of sensors that are monitored and/or controlled by a central panel that is normally located in the home detect infiltration, various sensors can be installed at windows, doors, and other areas. Home security systems are normally installed by trained experts. In addition connected to installed sensors, the central panel is also connected to a centralised monitoring centre that is located outside of the home. A telephone line is often u establish such a communication relationship. The centralised monitoring centre and security service may then monitor a specific residence for a range of occurrence as shattered window glass, tripped door sensors, motion detection in a specific region, and so on. Home invasions and other disturbances or anomalies are monito such centralised monitoring centres. If an intruder is detected, the monitoring system can activate an audible alarm, a silent alarm, and/or call law enforcement or c security agencies.

[0004]　　Even though, the home security systems have contributed a lot in prevention of theft and has provided the houses with effective solutions to overcome sec breach, there exists several drawbacks, such as inaccuracy in generating alarms, ineffective preventive measures, etc.

[0005]　　Various technological solutions (e.g. Security in a smart-sensored home, Security scoring in a smart-sensored home, etc.) are disclosed in patent literature

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