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(54) Title of the invention : PORTABLE HIDDEN CAMERA DETECTOR WITH INFRARED SENSING AND REAL-TIME LOCATION ALERT SYSTEM

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(57) Abstract :
 PORTABLE HIDDEN CAMERA DETECTOR WITH INFRARED SENSING AND REAL-TIME LOCATION ALERT SYSTEM ABSTRACT The Portable Hidden Camera Detector is a compact, lightweight device designed to safeguard personal privacy by detecting hidden surveillance cameras in sensitive environments. Utilizing an infrared (IR) sensor, it identifies infrared radiation emitted by hidden cameras and alerts the user via a buzzer and LCD display. Powered by an Arduino Uno microcontroller, the device integrates GPS and GSM modules for real-time location tracking and communication. Upon detecting a hidden camera, the detector displays "Spy Spotted" and allows the user to send their location and an alert to authorities through the GSM module. If no camera is found, the LCD shows "No Object Found." The device is ideal for use in hotel rooms, changing rooms, public restrooms, and other areas prone to privacy breaches. Its cost-effective design, ease of use, and real-time detection capabilities make it a practical solution for protecting personal privacy.

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