



Device For Camouflaging An Object From Infrared And Low Light Cameras

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The Invention

A device is provided for camouflaging an object from an infrared detection apparatus. The device includes a cloak positionable between the object and the infrared detection apparatus. The cloak includes a layer of infrared absorptive material including a plurality of silicon nanowires. A flexible substrate has a first surface operatively connected to an inner surface of the layer. The substrate includes a heat dissipation arrangement for dissipating heat generated by the cloak during operation. An array of infrared emitters is operatively connected to a second surface of the substrate. The array of infrared emitters selectively radiates an infrared pattern to disguise the object to the infrared detection apparatus.

Additional Information

For More Information About the Inventors

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Tech Fields

- [Engineering : Micro & nanotechnologies](#)

For current licensing status, please contact Michael Carey at mcarey@warf.org or 608-960-9867