



Device For Securing An Infrared Radiation Detector From Unwanted Infrared Radiation And Heat

[View U.S. Patent No. 10,794,765 in PDF format.](#)

WARF: P180095US01

Inventors: Hongrui Jiang, Seyyed Mohammad Moghimi

The Invention

A device is provided for securing a plurality of infrared radiation detectors from unwanted infrared radiation. The device includes a structure supporting the plurality of infrared radiation detectors. A plurality of nanowires are positioned adjacent to each other so as to define a layer. The layer has an inner surface positioned adjacent an outer surface of the structure and an outer surface directable towards a source of unwanted infrared radiation. The plurality of IR radiation detectors are aligned with a desired field of view so as to receive IR radiation radiating from any objects in the field of view such that a first portion of the IR radiation engages and is absorbed by IR radiation detectors, while a second portion of the IR radiation engages and is absorbed by IR radiation detector is absorbed by layer.

Additional Information

For More Information About the Inventors

- [Hongrui Jiang](#)

Tech Fields

- [Analytical Instrumentation, Methods & Materials : Sensors](#)

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