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(54) Title: **RADIOMETRY USING AN UNCOOLED MICROBOLOMETER DETECTOR**

(57) Abstract: An infra-red imaging camera comprises focusing optics for gathering infra-red energy from an external scene, and an uncooled and unshielded detector arranged to detect infra red energy. Internal temperature sensing together with approximation of the temperature response of the camera provides a time varying calibration that allows the infra-red energy received at the detector to be used as a temperature measurement for objects in the camera's field of view.



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