

Title (en)

THERMAL RADIATION DETECTION DEVICE, METHOD FOR PRODUCING THE SAME AND USE OF SAID DEVICE

Title (de)

VORRICHTUNG ZUR DETEKTION VON WÄRMESTRAHLUNG, VERFAHREN ZUR HERSTELLUNG UND VERWENDUNG DER VORRICHTUNG

Title (fr)

DISPOSITIF DE DETECTION DE RAYONNEMENT THERMIQUE, PROCEDE DE PRODUCTION ET UTILISATION DUDIT DISPOSITIF

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0173386A1] The invention relates to a device for detecting thermal radiation (3), comprising at least one thermal detector element (2) that converts the thermal radiation into an electric signal (4). The inventive device is further provided with at least one focusing element (12) that focuses the thermal radiation onto the detector element. The focusing element is for example a lens that consists of a semiconducting material such as a silicon. Preferably, the focusing element is integrated in the detection window for detecting the thermal radiation, said detection window consisting of a semiconducting material.

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IPC 8 full level

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