

Title (en)
INFRARED SENSOR, THERMAL CAMERA AND METHOD FOR PRODUCING A MICROSTRUCTURE OF THERMOELECTRIC SENSOR
PILLARS

Title (de)
INFRAROTSENSOR, WÄRMEBILDKAMERA UND VERFAHREN ZUM HERSTELLEN EINER MIKROSTRUKTUR AUS THERMOELEKTRISCHEN
SENSORSTÄBEN

Title (fr)
CAPTEUR INFRAROUGE, CAMERA THERMIQUE A PROCEDE DE FABRICATION D'UN MICROSTRUCTURE DE CAPTEURS
THERMOELECTRIQUES EN FORME DE TIGE

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Application
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Abstract (en)
[origin: WO2013135447A1] The invention relates to an infrared sensor (10) with a microstructure comprising a multiplicity of sensor rods (12) protruding from a sensor base (16) and arranged axially parallel to one another, wherein each of the sensor rods (12) is designed as a thermocouple, in that a first rod end (32), arranged on the sensor base (16), is electrically connected to an opposite free second rod end (34) by both a first and a second electrically conductive rod element, wherein the two rod elements (26, 28) have a different Seebeck coefficient, and wherein the first rod element is formed as a hollow profile and the second rod element is arranged in the first rod element such that each thermocouple is formed as a single rod with a small standing area on the sensor base (16).

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