UNCOOLED WIDE-RANGE SPECTRAL OPTOELECTRONIC DEVICES ON THE BASE OF HgCdTe SEMICONDUCTOR

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S u m m a r y

Issues associated with the development and the exploitation of infrared (IR) and sub-terahertz (THz) radiation detectors based on HgCdTe semiconductor are discussed. It is shown that this mercury cadmium telluride (MCT) semiconductor can be applied to the development of bi-colour detectors operating in the IR and sub-THz spectral ranges.