769

Accession Number

12274360

Author

Bogue R.

Author Unabbreviated

Bogue Robert

Title

Developments in electromagnetic radiation sensing. Part two: long wavelengths

Source

Sensor Review, vol.31, no.4, 2011, 310-14. Publisher: Emerald, UK.

Abstract

Purpose - The purpose of this paper is to review recent developments in the sensing of electromagnetic radiation (EMR) with wavelengths longer than those of visible light. Design/methodology/approach - Following a short introduction, this paper discusses recent research into the sensing of infra-red (IR), terahertz (THz) and microwave radiation. Findings - It is shown that novel sensors are being developed for all of these classes of EMR. Improved IR sensors are attracting strong interest from the military, novel THz sensor developments reflect the growing uses of this radiation and research into cosmology and astronomy are driving the development of highly sensitive microwave sensors. Originality/value - The paper provides a technical review of recent research into sensing IR, THz and microwave radiations. (2 References).