

Title (en)
MULTISPECTRAL IMAGER WITH ENLARGED SPECTRAL DOMAIN

Title (de)
MULTISPEKTRALER BILDGEBER MIT VERGRÖSSERTEN SPEKTRALBEREICH

Title (fr)
IMAGEUR MULTISPECTRAL À DOMAINE SPECTRAL ÉLARGI

Publication
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Application
EP 21823963 A 20211118

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Abstract (en)
[origin: WO2022112688A1] Disclosed is a multispectral imager designed for analysing a spectral domain of interest, comprising an image sensor (100) formed of an array of macropixels and comprising a first and a second photosensitive pixel (115) respectively dedicated to a first and a second spectral band, and a filtering structure (150) comprising a first and second interference filter (160) which are superimposed respectively on the first and second photosensitive pixel (115) and which are arranged to respectively transmit a first and second electromagnetic radiation belonging respectively to the first and second spectral bands, the multispectral imager in which a wavelength half of that of the second electromagnetic radiation is located in the spectral domain of interest, and a filtering layer (170) is superimposed on the second photosensitive pixel (160) and configured to block the passage of a third electromagnetic radiation of wavelength half that of the second electromagnetic radiation.

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