

Title (en)

CALIBRATION METHOD AND APPARATUS FOR ACTIVE PIXEL HYPERSPECTRAL SENSORS AND CAMERAS

Title (de)

KALIBRIERVERFAHREN UND -VORRICHTUNG FÜR HYPERSPEKTRALE AKTIVPIXELSENSOREN UND -KAMERAS

Title (fr)

PROCÉDÉ ET APPAREIL D'ÉTALONNAGE POUR CAPTEURS ET CAMÉRAS HYPERSPECTRAUX À PIXELS ACTIFS

Publication

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Application

EP 17867023 A 20171107

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Abstract (en)

[origin: WO2018085841A1] The present invention relates to the calibration of hyperspectral sensors and camera systems. More specifically, the invention relates to the apparatus and methods to be used to measure the characteristics of camera systems based on active pixel sensors with Fabry-Perot filters deposited directly onto the active pixel array, to improve the usage of such systems in various applications, including agriculture, medicine, and other fields of use that benefit from a better calibrated hyperspectral system. The use of the calibration information enhances the efficiency of the software processing of the raw images collected with such sensor, and the quality and usefulness of the processed output of such camera system.

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