

Title (en)

OPTICAL SPECTRAL SENSOR AND A METHOD FOR PRODUCING AN OPTICAL SPECTRAL SENSOR

Title (de)

OPTISCHER SPEKTRALSENSOR UND EIN VERFAHREN ZUM HERSTELLEN EINES OPTISCHEN SPEKTRALSENSORS

Title (fr)

CAPTEUR SPECTRAL OPTIQUE ET PROCÉDÉ DE FABRICATION D'UN CAPTEUR SPECTRAL OPTIQUE

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Application

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Abstract (en)

[origin: WO2008014983A1] The invention relates to an optical spectral sensor for determining the spectral information of incident light, in particular in the visible and infrared spectral range, with at least one optoelectronic semiconductor arrangement and at least one metal film, which is surrounded by a dielectric, wherein the metal film has a periodic pattern, wherein the at least one optoelectronic semiconductor arrangement and the at least one patterned metal film are arranged in such a way that light to be detected initially passes through the patterned metal film and then impinges on the optoelectronic semiconductor arrangement, wherein the optical spectral sensor is formed in such a way that the spectral sensitivity is determined essentially by the optical properties of the patterned metal film.

IPC 8 full level

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