Title (en)
METHOD AND DEVICE FOR MEASURING A MEDIUM OF INTEREST

Title (de)
VERFAHREN UND VORRICHTUNG ZUR MESSUNG EINES BESTIMMTEN MEDIUMS

Title (fr)
PROCÉDÉ ET DISPOSITIF DE MESURE D'UN MILIEU D'INTÉRÊT

Publication
EP 2875338 A1 20150527 (FR)

Application
EP 13739669 A 20130717

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Abstract (en)
[origin: WO2014012985A1] The invention relates to a method for measuring a medium of interest (20), which includes: arranging (701) the medium of interest between a light source (11) and a substrate (12) including a reflecting layer (121); illuminating (702) the substrate (12) by incident electromagnetic radiation (302) derived from the light source (11), the reflecting layer (121) producing a reflected radiation (303) from the incident electromagnetic radiation (302); measuring (703) an intensity of the reflected radiation by means of a sensor (13); detecting (704), from measurements carried out under constant illumination and measurement conditions, a change in the reflective properties of the assembly (40) including the medium of interest and the reflecting layer (121). The electromagnetic radiation emitted (301) is included within a spectral band of 350 nm to 1,000 nm, and the reflecting layer (121) has a reflectivity between 0.2 and 0.7 and a sensitivity greater than 1×10^{-3} nm^{-1} in the band.

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See references of WO 2014012985A1

Citation (examination)
WO 2011014282 A2 20110203 - UNIV BOSTON [US], et al

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