

Title (en)

OPTICAL DETECTION SYSTEM HAVING AN ACTIVE SUBSTRATE AND METHOD OF DETECTION OF TRACES OF CHEMICAL SPECIES

Title (de)

OPTISCHES ERKENNUNGSSYSTEM MIT EINEM AKTIVSUBSTRAT UND VERFAHREN ZUR ERKENNUNG VON SPUREN CHEMISCHER SPEZIES

Title (fr)

SYSTEME DE DETECTION OPTIQUE A SUBSTRAT ACTIF, PROCEDE DE DETECTION DE TRACES D'ESPECES CHIMIQUES

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Application

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Abstract (en)

[origin: WO2011042673A2] The present invention relates to an optical detection system (1) including a means for emitting a pump beam (5), as well as a substrate (2) on which is deposited a luminescent layer (4) capable of emitting photons by means of luminescence when exposed to said beam (5). Said system also includes a supporting layer (3) arranged between the substrate (2) and the luminescent layer (4), said supporting layer (3) being suitable for absorbing the beam (5), for confining said beam (5) or the photons emitted and for transmitting a part of the energy corresponding to said luminescent layer (4). The present invention also relates to a method for manufacturing such an optical detection system (1).

IPC 8 full level

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