

Title (en)

OPTICAL SENSOR

Title (de)

OPTISCHES SENSORELEMENT

Title (fr)

DETECTEUR OPTIQUE

Publication

EP 0808452 A1 19971126 (DE)

Application

EP 96939894 A 19961122

Priority

- DE 19545414 A 19951206
- EP 9605155 W 19961122

Abstract (en)

[origin: DE19545414A1] The invention relates to an optical sensor for identifying organic compounds, in particular hydrocarbons. The object of the invention is to define said sensor which detects selectively known substances using subassemblies producing spectral shifts. The object is attained in that a spectral band-pass filter is used which contains at least one layer with a modifiable, optical thickness of $\lambda/4$ or of $\lambda/2$ or a multiple thereof. Said layer has hydrophobic properties and organic affinity groups, the selection of which can be adapted to the substance to be detected.

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IPC 8 full level

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