

Title (en)
OPTO-ELECTRONIC SENSOR

Title (de)
OPTOELEKTRONISCHER SENSOR

Title (fr)
CAPTEUR OPTOELECTRONIQUE

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Application
EP 01927600 A 20010324

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• DE 0101148 W 20010324
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Abstract (en)
[origin: WO0179819A1] The invention relates to an opto-electronic sensor which is configured on the basis of optodes and which allows almost infinite coupling angles of the light passing into the optode material by means of a mirrored (5) optode material (4). This has the advantage of achieving a longer optical path than that obtained by total reflection, thus attaining greater measuring precision. The inventive optode material (4) is a polymer, in which the mirrored surface (5) is produced by metallic particles infused into said polymer. The opto-transmitter (1) and the photo-sensitive sensors (6) are an LED and photodiodes respectively. Various opto-electronic sensors can be combined in a gas sensor array.

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