

Title (en)

NANOELECTRONIC BREATH ANALYZER AND ASTHMA MONITOR

Title (de)

NANOELEKTRONISCHER ATEMANALYSATOR UND ASTHMAMONITOR

Title (fr)

ANALYSEUR D'HALEINE NANOÉLECTRONIQUE ET SYSTÈME DE SURVEILLANCE DE L'ASTHME

Publication

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Application

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Abstract (en)

[origin: WO2007136523A2] Embodiments of nanoelectronic sensors are described, including sensors for detecting analytes such as CO₂, NO, anesthesia gases, and the like in human breath. An integrated multivalent monitor system is described which permits two or more analytes to be measured in breath, for example to monitor pulmonary conditions such as asthma. The monitor system may be configured to be compact, light weight, inexpensive, and to include a microprocessor capable of both analyzing measurements to determine patient status, and storing measurement history. Wireless embodiments provide such enhancements as remote monitoring.

IPC 8 full level

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