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(57) Abstract :
[032] The present invention discloses a Nanostructured Gas Sensors for healthcare and medical sector. The Nanostructured Gas Sensors includes the steps, but not limited to, providing, a nanostructure based unit having a surrogate marker unit wherein the surrogate marker unit is released from the nanostructure-based assembly in the presence of a target analyte / biomarker; a substrate designed to carry gas sensor unit, an electronic circuit unit, a wireless transceiving module, power supply and a structure for hanging around the external body of the user; an electronic circuit unit connected with a user device / computing device and further provided with a carbon nanotube sensor unit and the wireless transceiving module to perform a predefined function on receiving the electrical signal obtained from the measurement of electrical property of the carbon nanotube sensor unit.

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