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Toxic Agent Sensor and Detector Method, Apparatus and System

This technology has been developed on a carbon nanotube platform. The carbon nanotubes have been structurally functionalized to recognize and detect various atmospheric contaminants. The system consists of the carbon nanotube based sensor, which, with its associated electronics and software, will provide an analytical instrument on a chip, programmable for a range of analytes. The technology holds promise for the most effective detection of volatile organics and inorganic compounds and will allow the user to identify quickly and accurately trace atmospheric concentrations of contaminants, toxins, and chemical agents.

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