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Production of avant-garde sensors for the identification and termination of toxic gases

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This study explains a process which significantly explores the application of mass spectroscopy, Fabry-Perot interferometer and the Atume's configuration of gases in the production of sophisticated sensors that analyzes toxic gases. Basically, the molar masses of gases in an environment is predicted by means of an embedded and portable mass spectrometer, that is linked to a sensor which utilizes its transmission spectrum as a function of wavelength, exhibiting peaks of large transmission, corresponding to resonance of the Fabry-Perot assembly and a scanning along with advanced spectral processing. A programming is carried out such that corresponding wave lengths and molar masses are compared to the Atume's configuration of gases which involves all possible molecular quantization for each gas. This process is based on the principle that, no two gases can have all the same number of quantum parameters. The avant-garde sensor periodically sends results of every analysis to cell phones, suggesting ways of terminating the toxic gases that were identified and in very serious cases, an alarm will sound.

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