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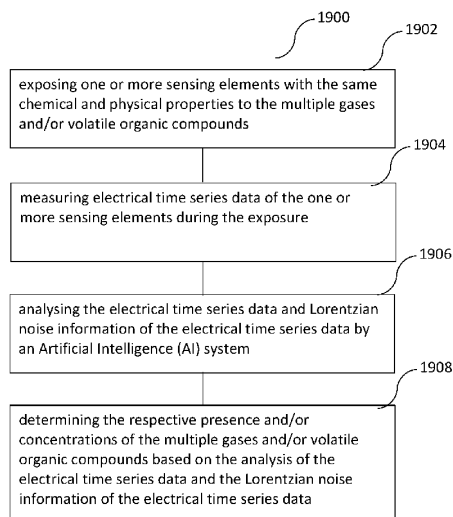


Figure 19

(57) Abstract: A computerized method and a sensor device for determining respective presence and concentrations of multiple gases and/or volatile organic compounds, and a method of training the sensor device, wherein the method comprises steps of measuring electrical time series data of the sensing elements and analyzing the electrical time series data and Lorentzian noise information of the electrical time series data by an Artificial Intelligence (AI) system.

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