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(54) Title of the Invention: **Analytical system and method for detecting volatile organic compounds in water**
Abstract Title: **Analytical system and method for detecting volatile organic compounds in water**

(57) An analytical system and method for detecting volatile organic chemicals in water including a coated SAW detector that provides for improved reduction of moisture at the coating of the SAW detector. A stabilized SAW sensitivity and long lasting calibration is achieved. The analytical system further includes an improved sample vessel and sparger that allow for easy grab sample analysis, while also providing efficient purging of the volatile organic compounds from the water sample. In addition, an improved preconcentrator provides a stabilized sorbent bed.

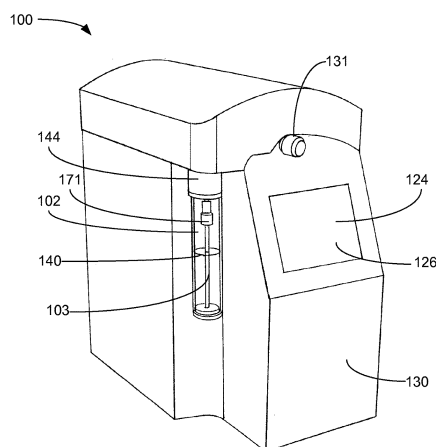


FIG. 2