



US 20080312518A1

(19) **United States**

(12) **Patent Application Publication**  
**Jina et al.**

(10) **Pub. No.: US 2008/0312518 A1**

(43) **Pub. Date: Dec. 18, 2008**

(54) **ON-DEMAND ANALYTE MONITOR AND METHOD OF USE**

(22) Filed: **Jun. 14, 2007**

**Publication Classification**

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(51) **Int. Cl.**  
**A61B 5/00** (2006.01)

(52) **U.S. Cl.** ..... **600/345**

(57) **ABSTRACT**

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An analyte monitor is provided with a sensor unit body configured for mounting on tissue, a sensor configured to detect an analyte in a fluid in the sensing area, an output device configured to communicate a result from the sensor to a user; and a user input device coupled with the sensor and the output device, wherein the monitor is configured to communicate a result to the user through the output device only after the user input device is activated. Systems, sensors and methods associated with the monitor are also disclosed.

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(21) Appl. No.: **11/763,414**