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Morrison et al.

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(54) **COMPLIANCE MONITORING MODULE
FOR A BREATH-ACTUATED INHALER**

(58) **Field of Classification Search**

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15/0021; A61M 15/0025; A61M 15/0026;
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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 108 days.

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This patent is subject to a terminal dis-
claimer.

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A61M 16/00 (2006.01)

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(2014.02); **A61M 15/009** (2013.01);
(Continued)

(57) **ABSTRACT**

A compliance monitoring module for a breath-actuated inhaler comprising: a miniature pressure sensor, a sensor port of said sensor being pneumatically coupled to a flow channel through which a user can inhale; a processor configured to: receive a signal originating from a dosing mechanism of the inhaler indicating that medication has been released; receive data from a sensing element of the sensor; and based on said signal from said dosing mechanism and said data from said sensing element, make a determination that inhalation of a breath containing medication through said flow channel complies with one or more predetermined requirements for successful dosing; and a transmitter configured to, responsive to said determination, issue a dosing report.

20 Claims, 15 Drawing Sheets

