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

(71) Applicant: **Norton (Waterford) Limited,**
Waterford (IE)

(72) Inventors: **Mark Steven Morrison**, Basking
Ridge, NJ (US); **Douglas E. Weitzel**,
Hamilton, NJ (US); **Enrique Calderon**
Oliveras, Waterford (IE); **Daniel Buck**,
Waterford (IE)

(73) Assignee: **Norton (Waterford) Limited,**
Waterford (IE)

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A61M 15/00 (2006.01)

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(58) **Field of Classification Search**

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Primary Examiner — Joseph D. Boecker

(74) *Attorney, Agent, or Firm* — Condo Roccia Koptiw
LLP

(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 con-
figured to: receive a signal originating from a dosing mecha-
nism 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 con-
figured to, responsive to said determination, issue a dosing
report.

18 Claims, 15 Drawing Sheets

