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(54) **LIFE SUPPORT SIMULATION SYSTEM
SIMULATING HUMAN PHYSIOLOGICAL
PARAMETERS**

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(75) Inventors: **Willem Lambertus van Meurs;**
Samsun Lampotang; Michael Lowell
Good; Tammy Yachabach Euliano, all
of Gainesville, FL (US); **Joannes E. W.**
Beneken, Helmond (NL); **Ronald**
George Carovano, Jr.; Michael
Franklin Ellis, both of Sarasota, FL
(US); **James Bradley Azukas,**
Bradenton, FL (US); **Mark Woodson**
McClure, Parish, FL (US); **Nicole**
Anna Marie de Beer, Amsterdam
(NL); **Joachim Stefan Gravenstein,**
Gainesville, FL (US)

(73) Assignee: **The University of Florida,** Gainesville,
FL (US)

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(52) **U.S. Cl.** **434/268; 434/262**

(58) **Field of Search** **434/262, 266,**
434/267, 268, 272

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(57) **ABSTRACT**

Method and apparatuses for simulating life support proce-
dures in real-time using a mannequin. The apparatuses and
methods are operable for a number of therapeutic interven-
tions and provide for a number of appropriate simulated
physiological and pharmacological responses. Included
interventions are chest displacement, the application of gas
pressure to the upper airway, inspiratory gas composition,
administration of a fluid, or administration of intravenous
drugs. These interventions provide a variety of appropriate
responses (and misapplication of an intervention by a trainee
provides a corresponding appropriate response).

15 Claims, 5 Drawing Sheets