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Linden

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[54] TRANSPORTABLE LIFE SUPPORT SYSTEM

[57] ABSTRACT

[75] Inventor: **Charles Linden**, Bethesda, Md.
 [73] Assignee: **The United States of America as represented by the Secretary of the Army**, Washington, D.C.

A transportable life support system is for use in a battlefield and mass casualty situations and includes a base, a stretcher and a canopy. The base incorporates medical equipment that includes a ventilator, an oxygen source, an environmental control unit, a suction unit, a plurality of physiologic sensors, a intravenous fluid pump, a drug infusion pump, and a defibrillator. The medical equipment is controlled by a computer contained within the base. A monitor displays the vitals signs of the wounded patient. A receiver/transmitter is included in the base for transmitting information to, and receiving information from, a remote health care provider. The system can be run from internal rechargeable batteries or external power. The canopy may be a hard shell or a soft shell. With the canopy in place, the transportable life support system serves as a miniature preoperative holding area or a post operative recovery room. Furthermore, with the canopy in place, the environmental control unit provides positive overpressure to protect against chemical/biological contamination. With the canopy off, the transportable life support system serves as a self-contained operative platform for use in military or natural disaster settings.

[21] Appl. No.: **610,823**

[22] Filed: **Mar. 7, 1996**

[51] Int. Cl.⁶ **A61G 1/02**

[52] U.S. Cl. **128/897**

[58] Field of Search **5/625; 128/897, 128/3, 906, 202.16**

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Primary Examiner—William E. Kamm
Assistant Examiner—Scott M. Getzow
Attorney, Agent, or Firm—John Francis Moran

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