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Lewis et al.

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- [54] **PATIENT SENSOR FOR OPTICAL CEREBRAL OXIMETER AND THE LIKE**
- [75] Inventors: **Gary D. Lewis, St. Clair Shores; Peter H. Klose, Clawson; Wayne P. Messing, Troy, all of Mich.**
- [73] Assignee: **Somanetics Corporation, Troy, Mich.**
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Primary Examiner—William E. Kamm
Assistant Examiner—Robert L. Nasser, Jr.
Attorney, Agent, or Firm—Price Heneveld Cooper DeWitt & Litton

Related U.S. Application Data

- [63] Continuation-in-part of Ser. No. 329,945, Mar. 29, 1989, Pat. No. 5,139,025, which is a continuation-in-part of Ser. No. 827,526, Feb. 10, 1986, Pat. No. 5,140,989, and a continuation-in-part of Ser. No. 542,022, Oct. 14, 1983, Pat. No. 4,570,638.

- [51] Int. Cl.⁵ **A61B 5/00**
- [52] U.S. Cl. **128/633; 128/666; 356/41**
- [58] Field of Search **128/664-666, 128/633-634; 356/40, 41**

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[57] ABSTRACT

A sensor for use in medical patient examination and monitoring by spectrophotometric apparatus, including a main body having a soft, resilient outer cover on at least one side for conformably contacting a selected area on the patient, in particular the forehead, also having and an electro-optical light source and a plurality of electro-optical light detectors spaced from the source and from one another, and exposed to the selected site on the patient by light-transmissive passages extending through the resilient cover, in which the resilient cover is formed of a thin, softly compressible member of light-absorbing and moisture-transmissible material, preferably of resilient cellular polymeric foam.

18 Claims, 2 Drawing Sheets

