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# United States Patent [19]

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Banner et al.

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[54] **METHOD AND SYSTEM FOR MEASURING THE CARDIAC OUTPUT OF A LIVING BEING**

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## [57] ABSTRACT

[21] Appl. No.: **09/173,838**

A system is provided for use in measuring the cardiac output of a living being. The system includes at least one sensor for measuring the lung carbon dioxide elimination rate of the living being and a processor for predicting the cardiac output level of the living being as a function of the current value of the lung carbon dioxide elimination rate based upon the predictive increase in cardiac output as the lung carbon dioxide elimination rate of the living being increases. Structure is provided for determining the cardiac output of an intubated living being and a non-intubated living being.

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[52] **U.S. Cl.** ..... **600/484**; 600/481; 600/526; 600/483

[58] **Field of Search** ..... 600/481, 483, 600/484, 508, 526, 529, 532

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**55 Claims, 9 Drawing Sheets**

