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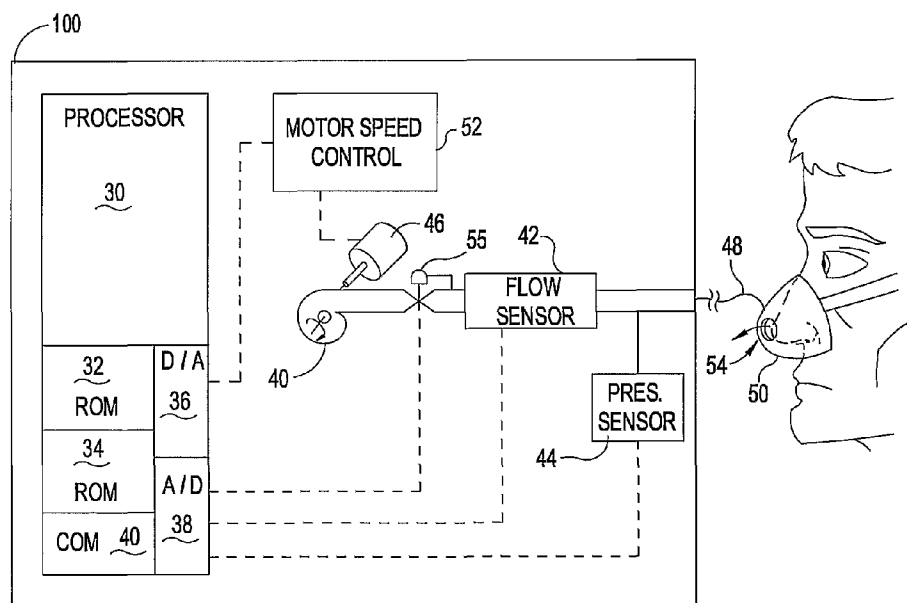
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(54) Title: METHOD AND SYSTEM OF PROVIDING THERAPEUTIC GAS TO A PATIENT TO PREVENT BREATHING AIRWAY COLLAPSE



(57) Abstract: A method and system of providing therapeutic gas to a patient to prevent breathing airway collapse during sleep. Some exemplary embodiments may be a method comprising providing a flow of therapeutic gas to a patient during a plurality of inhalations, detecting a flow rate of the therapeutic gas of at least one of the patient's nares during a first inhalation of the plurality of inhalations, and increasing the flow of therapeutic gas in a second inhalation of the plurality of inhalations based on an amount the flow rate of therapeutic gas in the first inhalation is less than a set point therapeutic gas flow.

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PCT/US05/23785

A. CLASSIFICATION OF SUBJECT MATTER

IPC: A61M 16/00(2006.01);A62B 7/04(2006.01);A62B 7/00(2006.01);F16K 31/02(2006.01);A61G 10/00(2006.01)

USPC: 128/204.23,204.26,204.18,204.22,205.24,205.26,204.21

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 128/204.23, 204.26, 204.18, 204.22, 205.24, 205.26, 204.21

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,551,419 A (FROEHLICH et al) 03 September 1996 (03.09.1996), all	1-35
Y	US 5,671,730 A (OLLILA) 30 September 1997 (30.09.1997), column 3 and column 7	7,16



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