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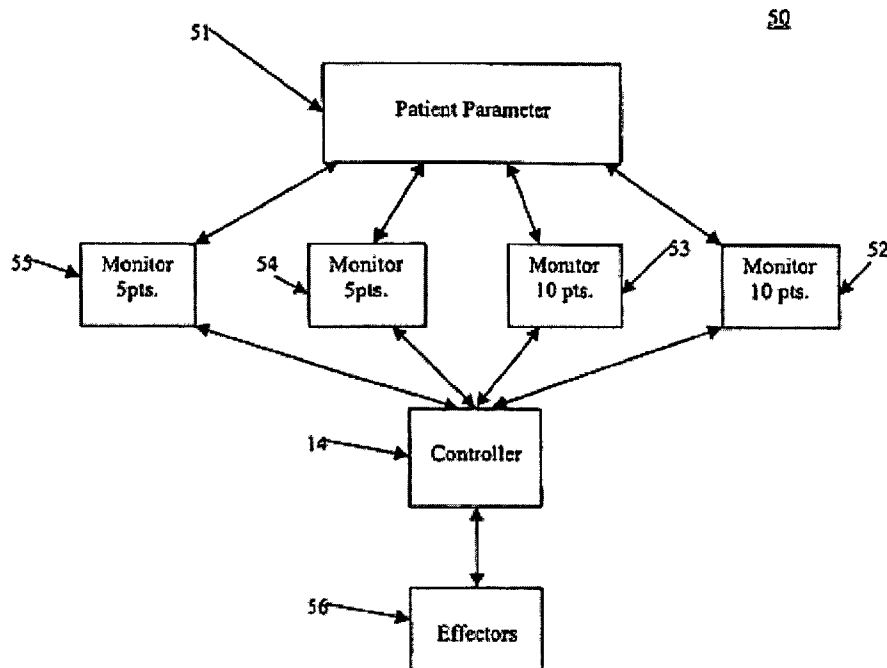
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[Continued on next page]

(54) Title: METHODS AND SYSTEMS FOR PROVIDING ORTHOGONALLY REDUNDANT MONITORING IN A SEDATION AND ANALGESIA SYSTEM



(57) Abstract: The present invention includes a sedation and analgesia system having a high sensitivity and specificity for diagnostic and therapeutic algorithms, where the high sensitivity and specificity may be gained by providing multiple monitors (32, 33) for a single patient parameter. The invention also comprises multiple monitors (32, 33) for a single patient parameter, where the monitor is compared with that of the others by a controller (14) in order to ascertain whether monitored data is reliable.

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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US03/31908

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : A61M 31/00  
 US CL : 604/67

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 U.S. : Please See Continuation Sheet

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.
A	US 6685649 B2 (Korhonen) 03 February 2004	1-17
A	US 5069668 A (Boydman) 03 December 1991	1-17

Further documents are listed in the continuation of Box C.

See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

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**Continuation of B. FIELDS SEARCHED Item 1:**

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