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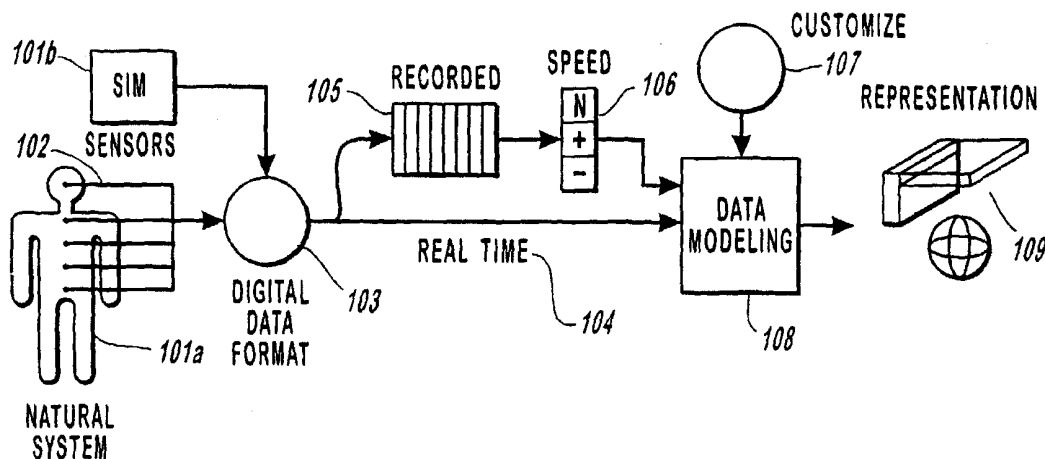
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(54) Title: METHOD AND APPARATUS FOR MONITORING ANESTHESIA DRUG DOSAGES, CONCENTRATIONS, AND EFFECTS USING N-DIMENSIONAL REPRESENTATIONS OF CRITICAL FUNCTIONS



(57) Abstract: A method, system and apparatus for monitoring, diagnosis and evaluation of the state of a dynamic system. This method and system provides the processing means for receiving sensed (102) and/or simulated (101b) data, converting such data into a displayable object format (103) and displaying such objects such that interrelationships between the variables can be correlated and identified by a user (109). The system provides for displayed objects which change in real time (104) to reflect the changes of the functions of the system. The system has application to biological, environmental, engineering, economic, mechanical and chemical systems. In particular, this invention is directed to the processing and display of drug data for the use of doctors in the process of monitoring of drug administration to patients.

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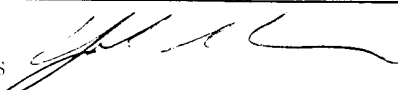
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A. CLASSIFICATION OF SUBJECT MATTER		
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According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
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Documentation 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)		
EAST, IEEE		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,009,346 (OSTROW) 28 December 1999, col. 3-4.	6
-		-
Y		1-5, 7-14
Y,P	US 6,289,299 B1 (DANIEL, JR. et al.) 11 September 2001, fig. 1, 21-22, 28, 45-46.	1-14
Y	GLOMBITZA et al. Virtual Surgery in a (tele-)radiology Framework. IEEE Trans. Information Technology in Biomedicine. September 1999. Vol. 3, Issue 3. sections 2-3.	1-14
Y	US 6,067,542 (CARINO, JR.) 23 May 2000, fig. 2-3.	1-14
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