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Declarations under Rule 4.17:

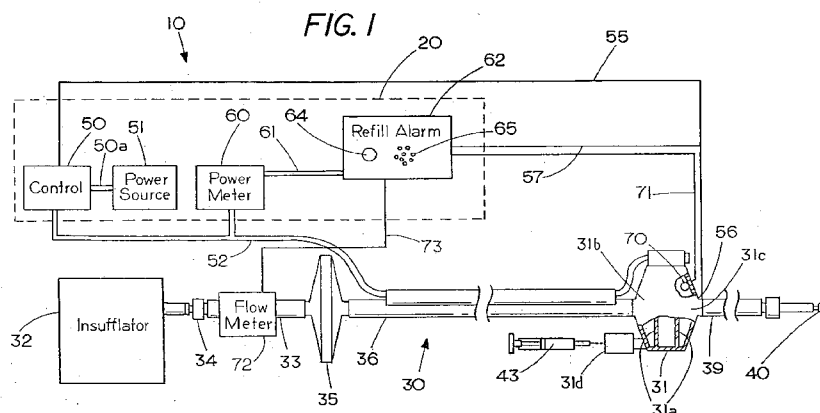
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(54) Title: HYDRATION ALERT



(57) Abstract: One aspect of the invention is an apparatus including an alarm for alerting an operator to recharge a humidifier, wherein such alarm is generated other than through the use of a humidity sensor. In one embodiment the total work performed during heating and hydrating an insufflation gas is measured and an alarm generated when the total work performed exceeds a particular threshold. In another embodiment, a flow meter is used to measure the total flow of insufflation gas so that when the total flow of insufflation gas reaches a predetermined level an alarm is activated.

A. CLASSIFICATION OF SUBJECT MATTER***A61M 37/00(2006.01)i***

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)

IPC 8 : A61M 37/00

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

Korean Utility Models and Applications for Utility Model since 1975 : IPC 8 as above

Japaneses Utility Models and Applications for Utility Models since 1975 : IPC 8 as above

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

eKOMPASS (KIPO internal)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2006/041483 A1 (LEXION MEDICAL, LLC.) 20 APRIL 2006. See abstract; page 14, line 27 - page 16, line 6; Page 19, line 11 - page 20, line 7; page 22, line 5 - page 25, line 29; page 27, line 2 - page 28, line 9; claims 1-34; figures 1, 2, 9, 14 and 34.	1-21
X	US 2006/0052742 A1 (DOUGLAS E. OTT; JOHN F. SCHAEFER; ROBERT I. GRAY) 09 MARCH 2006. See abstract; figures 1, 2, 5; paragraph 0003, 0009-0012, 0023, 0026-0035, 0045-0049 and claims 1-25.	1-21



Further documents are listed in the continuation of Box C.



See patent family annex.

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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