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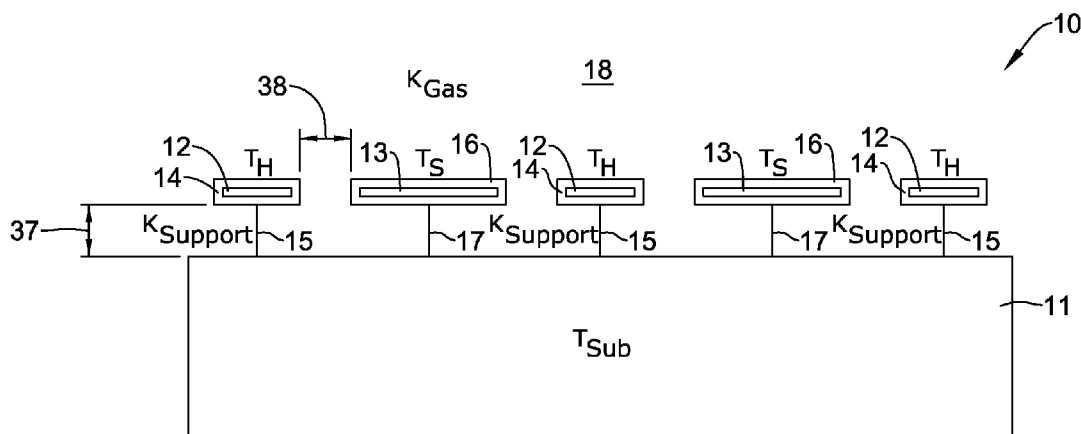
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(57) Abstract: A system for determining a gas pressure or gauging a vacuum in a hermetically sealed enclosure. One or more heater structures and one or more temperature sensor structures situated on a substrate may be used in conjunction for measuring a thermal conductivity of a gas in the enclosure. Each heater has significant thermal isolation from each sensor structure. Electronics connected to each heater and sensor of their respective structures may provide processing to calculate the pressure or vacuum in the enclosure. The enclosure may contain various electronic components such as bolometers.



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**INTERNATIONAL SEARCH REPORT**

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PCT/US2008/050963

**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. G01L21/10 G01L11/00

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)  
G01L

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 practical, search terms used)  
EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 187 674 A (BONNE ULRICH) 16 February 1993 (1993-02-16)  abstract figures 7b,7c,8-10,9a column 1, line 11 - line 13 column 1, line 26 - line 39 column 7, line 52 - line 68 column 8, line 27 - line 36 column 9, line 45 - column 10, line 51 column 11, line 4 - column 13, line 10 -----	1-20
A	US 4 651 564 A (JOHNSON ROBERT G ET AL) 24 March 1987 (1987-03-24) abstract figures 4,5,10 column 5, line 10 - line 68 column 10, line 26 - line 54 -----  -/--	1-20

Further documents are listed in the continuation of Box C.       See patent family annex.

\* Special categories of cited documents:

*A* document defining the general state of the art which is not considered to be of particular relevance	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*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.
*O* document referring to an oral disclosure, use, exhibition or other means	*&* document member of the same patent family
*P* document published prior to the international filing date but later than the priority date claimed	

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

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