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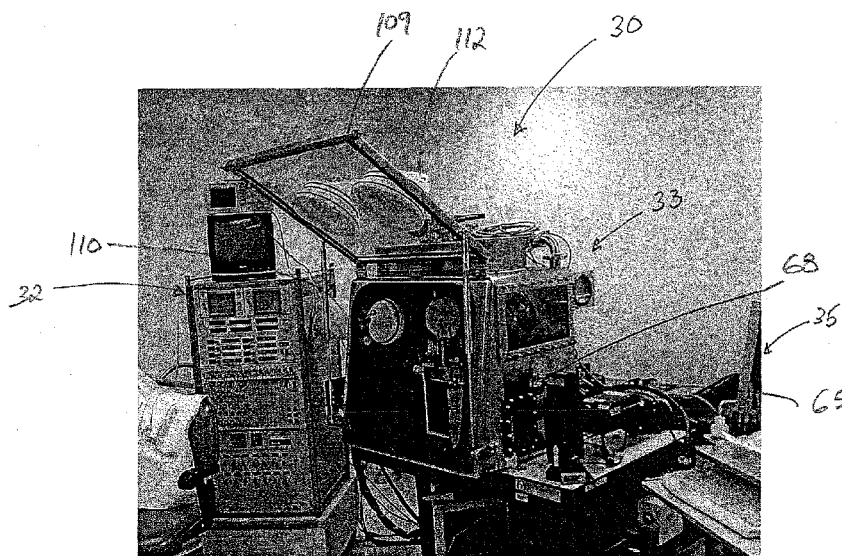
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(54) Title: PORTABLE PLATFORM CYTOMETRIC SYSTEM WITH ISOLATION CHAMBER



(57) Abstract: A cytometer for measuring particles includes a portable platform supporting an illumination table including a measuring site, a detection system for detecting at least one property of the particles in the measuring site, a fluidics system configured for transporting the particles from a sample source to the measuring site, the fluidics system including transfer tubing fluidly connecting the sample source to the measuring site, and an isolation chamber housing and environmentally sealing the illumination table and sample source from an ambient environment. A method of using the cytometer is also disclosed.

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC: **G01N 21/63( 2006.01);G01N 21/00( 2006.01),G01N 21/01,G01N 21/17,G01N 21/62,G01N 21/64;G06F 19/00( 2006.01)**

USPC: Please See Continuation Sheet

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  
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
NONE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2,984,988 A (BERGER et al) 23 May 1961, see entire document.	1-24
A	US 4,784,486 A (VAN WAGENEN et al) 15 November 1988, see entire document.	1-24
A	US 5,641,457 A (VARDANEGA et al) 24 June, 1997, see entire document.	1-24
A	US 6,248,590 A (MALACHOWSKI) 19 June 2001, see entire document.	1-24
A	US 6,589,792 A (MALACHOWSKI) 08 July 2003, see entire document.	1-24
A	US 6,780,377 B2 (HALL et al) 24 August 2004, see entire document.	1-24
A	US 6,881,580 B2 (HALL et al) 19 April 2005, see entire document.	1-24



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	
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"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

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 7,063,667 B1 (BEN-OREN et al) 20 June 2006, see entire document.	1-24

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## Continuation of B. FIELDS SEARCHED Item 1:

702/30;73/23.2,23.35,23.36,23.37,23.39,23.4,23.41,23.42,53.01,61.41,61.43,61.44,61.48,61.52,61.53,61.55,61.56,61.58,61.59,61.61,61.7  
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## Continuation of USPC:

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