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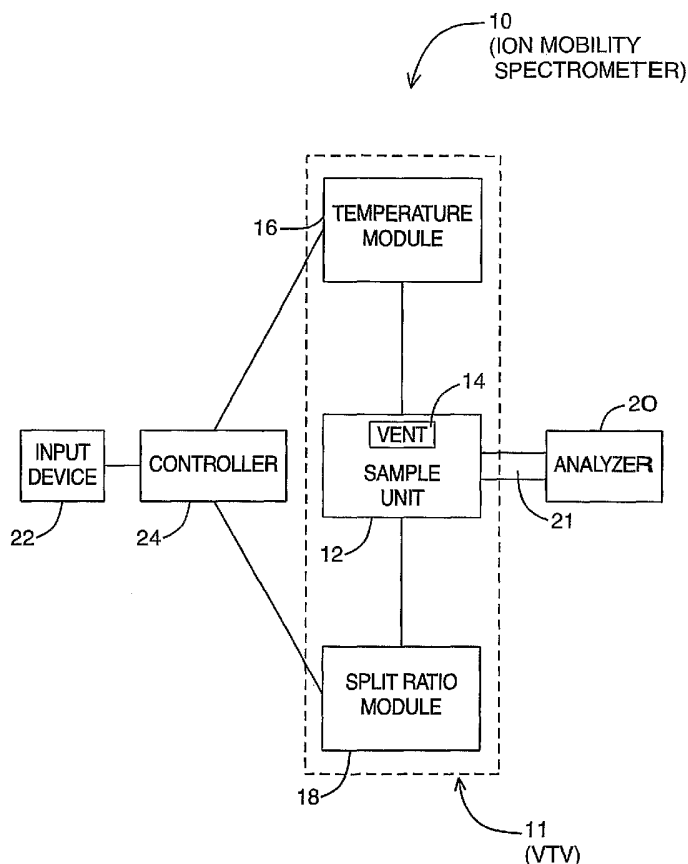
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(54) Title: METHOD AND SYSTEM FOR INTRODUCING AN ANALYTE INTO AN ION MOBILITY SPECTROMETER



(57) Abstract: A system and method for intro-  
ducing and analyzing a sample containing an an-  
alyte using an ion mobility spectrometer are de-  
scribed. The system includes a temperature mod-  
ule (16) for adjusting the temperature of the sam-  
ple according to temperature instructions received,  
and a split ratio module (18) for adjusting the split  
ratio according to split ratio instructions received.  
An ion mobility analyzer (20) determines an ion  
mobility of the analyte. The ion mobility analyzer  
(20) collects a plasmagram of the analyte to iden-  
tify and quantitate the analyte.

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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 USPC: 250/287  
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**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)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,163,979 (PATRICK et al) 17 November 1992 (17.11.1992), column 5, line 57-68; column 6, line 1-13.	1-36
Y	US 7,057,168 (MILLER et al) 6 June 2006 (6.06.2006), column 32, line 60-67.	1-36

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

* Special categories of cited documents:	"T"
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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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