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(71) Applicant: MOCON, INC. [US/US]; 7500 Mendelssohn Avenue North, Minneapolis, Minnesota 55428 (US).

(72) Inventors: ASCHEMAN, Timothy A.; 9819 226th Lane Northwest, Elk River, Minnesota 55330 (US). TUOMELA, Stephen D.; 15510 Traprock Street Northwest, Ramsey, Minnesota 55303 (US).

(74) Agent: SHERRILL, Michael; Suite 212, 4756 Banning Avenue, White Bear Lake, Minnesota 55110 (US).

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[Continued on next page]

(54) Title: PROTOCOL ADAPTIVE COMPUTER CONTROLLED TARGET-ANALYTE PERMEATION TESTING INSTRUMENT

(57) Abstract: A protocol adaptive, computer controlled target-analyte permeation testing instrument, capable of self-adaptive adjustments to measurement interval, rezero frequency and independent zero go-no-go.

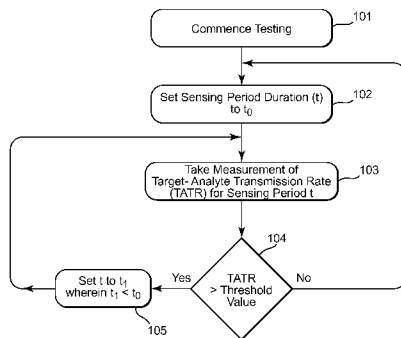


Fig. 1A

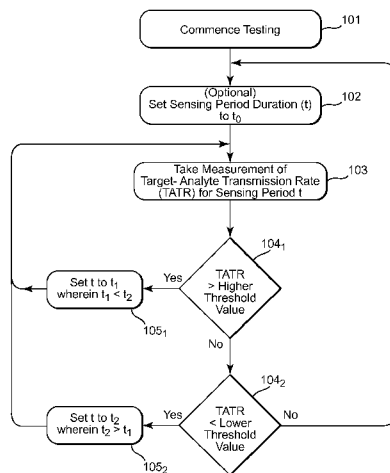


Fig. 1B

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SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN,  
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(8) - G01N 35/00 (2015.01) CPC - G01N 35/00 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC(8): B01J 19/00; G01N 15/08, 33/00, 35/00 (2015.01) CPC: G01N 15/0826, 35/00, 2015/086, 2035/00455 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) PatSeer (US, EP, WO, JP, DE, GB, CN, FR, KR, ES, AU, IN, CA, INPADOC Data); Dialog ProQuest; IP.com; Google; Google Scholar; permeation, testing, target, analyte, transmission, rate, zero, sensor, threshold		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2010/0054998 A1 (MAYER, DW et al.) March 4, 2010; abstract; paragraphs [0106]-[0110], [0146]	1-35
Y	US 2005/0211572 A1 (BUCK, HB et al.) September 29, 2005; abstract; paragraph [0046]	1, 5-14, 32
Y	US 2012/0262298 A1 (BOHM, S et al.) October 18, 2012; abstract; paragraphs [0157], [0354], [0364]	2, 4, 5, 7, 14-19, 26-31, 33, 35
Y	US 2010/0274515 A1 (HOSS, U et al.) Oct. 28, 2010; abstract; paragraphs [0018], [0090], [0100], [0102]-[0104]	3, 6, 11-13, 18, 20-25, 34
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Date of the actual completion of the international search 04 May 2015 (04.05.2015)		Date of mailing of the international search report <b>23 SEP 2015</b>
Name and mailing address of the ISA/ Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-8300		Authorized officer Shane Thomas PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774