

1) Family number: 43707014 (US2009223635A)

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Title: DEVICE AND METHOD FOR QUANTIFYING A SURFACE'S CLEANLINESS

Abstract: Provided are devices and methods for quantifying a surface's cleanliness relative to a contaminant. Such devices and methods may comprising and use a source of interrogating radiation to which the contaminant is responsive, a means for directing the interrogating radiation, a detector, and an analyzer. Radiation emitted from the source is directed by the radiation means toward the surface or a surface cleaner that may hold the contaminant. The detector detects radiation from the surface or the surface cleaner produced in response to the interrogating radiation by the contaminant, e.g., fluorescent or phosphorescent radiation, and generate a corresponding signal that is compared by the analyzer relative to an electronic standard that corresponds to the surface in an acceptably clean state so as to quantify the surface's cleanliness.

Classifications:

International (IPC 8-9): B32B37/00 B32B41/00 G01J1/44 G01J1/58 G01J5/02 G01N21/33 G01N21/35 G01N21/64 G01N21/93 G01N21/94 G01T1/16 G01T1/20 (Advanced/Invention);

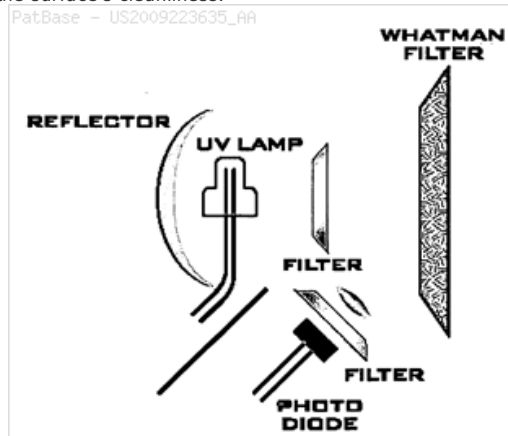
G01J1/42 (Advanced/Non-invention);

B32B37/00 G01J1/44 G01J5/02 G01T1/00 (Core/Invention); G01J1/42 (Core/Non-invention)

CPC: G01N21/05 G01N21/47 G01N21/55 G01N21/64 G01N21/94 G01N2021/0346 G01N2021/6417

European: G01N21/05 G01N21/47 G01N21/55 G01N21/64 G01N21/94 S01N21/03K S01N21/64G

US: 156/380.9 156/380.900P 156/64 250/206 250/206S 250/301 250/339.06 250/339.060S 250/362 250/363.01 250/363.010S 250/372 250/372S 250/458.1



Family:

Publication number	Publication date	Application number	Application date
US2009223635 AA	20090910	US20090399973	20090308
US2012279633 AA	20121108	US20120532022	20120625
US8207508 BB	20120626	US20090399973	20090308
US8735851 BB	20140527	US20120532022	20120625
WO09114433 A2	20090917	WO2009US36446	20090308
WO09114433 A3	20091119	WO2009US36446	20090308

Priority:

US20080034977P 20080308 US20090399973 20090308 US20120532022 20120625

Probable Assignee: REDWOOD SCIENT INC

Assignee(s): (std): LAWLESS JOHN L ; REDWOOD SCIENT INC

Assignee(s): REDWOOD SCIENTIFIC INC

Inventor(s): (std): LAWLESS JOHN L

Agent(s): LOUIS WU; LOUIS L; WU LOUIS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 12074020 (US6027624A)

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Title: Automated capillary electrophoresis method and apparatus

Abstract: The automated capillary electrophoresis method and apparatus analyzes a sample in real time or near real time in order to identify the presence of a number of different ions as well as other sample parameters, such as the relative concentrations of each ion identified in the sample. By performing capillary electrophoresis in an automated fashion, the automated capillary electrophoresis method and apparatus may be configured to monitor a manufacturing process online with little, if any, input from the system operator. The automated capillary electrophoresis method and apparatus also provides a base line such that the analysis results can be compared and can be more meaningfully interrupted. The automated capillary electrophoresis method and apparatus initially performs capillary electrophoresis upon a sample containing at least one ion to obtain data over time which relates to a predetermined property of the sample, such as the degree of transparency of at least a portion of the sample. This time dependent data is then automatically processed to determine one or more sample parameters. In this regard, the time dependent data is automatically processed to identify at least one peak within the data by determining those portions of the data which exceed a predetermined threshold. By separately determining the area under respective ones of the peaks, the capillary electrophoresis method and apparatus can automatically determine sample parameters, including the

concentrations of the ions corresponding to the respective peaks.

Classifications:

International (IPC 8-9): G01N27/447 (Advanced/Invention);

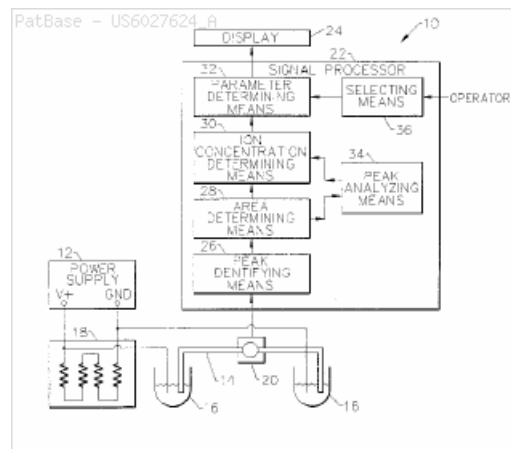
G01N27/447 (Core/Invention)

International (IPC 1-7): G01N27/26

CPC: G01N27/44721

European: G01N27/447B3A

US: 204/452 204/602 204/603



Family:

Publication number	Publication date	Application number	Application date
US6027624 A	20000222	US19970852828	19970507

Priority:

US19970852828 19970507

Probable Assignee: TROY STATE UNIV

Assignee(s): (std): TROY STATE UNIVERSITY

Assignee(s): TROY STATE UNIV ; TROY STATE UNIV A PUBLICLY SUPPORTED CO EDUCATIONA

Inventor(s): (std): ANDERSON SHAWN ; ASOUZU MOORE UGOCHUKWU

3) Family number: 42760022 (US2010181912A)

PatBase

Title: LIGHT SOURCE DEVICE, DISCHARGE LAMP AND ITS CONTROL METHOD

Abstract: At an initial stage of a discharge start, a shield electrode is connected to a ground potential via a bidirectional voltage trigger switch. Thereafter, when an electrical charge within the shield electrode flows to the ground potential, by being triggered with this potential, both terminals of the bidirectional voltage trigger switch are disconnected therebetween. Thus, at an initial stage of discharge, charging of the shield electrode is suppressed to suppress a decline in discharge, and in a sustained discharge, destabilization due to an unwanted discharge from the shield electrode to the anode can be suppressed, and using such an electrode automatically allows improving the lighting performance of a discharge lamp.

Classifications:

International (IPC 8-9): H01J13/46 H01J61/10 H01J61/56 H01J61/68

H01J7/44 H05B41/04 H05B41/19 H05B41/288 (Advanced/Invention);

H01J61/00 H01J61/02 H05B41/18 H05B41/28 (Core/Invention)

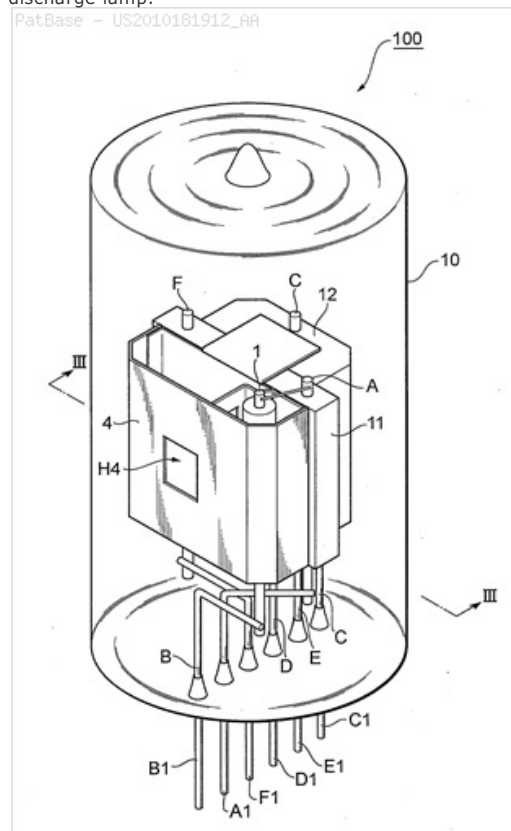
CPC: H05B41/04 H01J61/68

European: H01J61/68 H05B41/04

US: 315/107 315/56 315/56P 315/94

JP F-Term: 3K083 3K083/AA01 3K083/AA66 3K083/BA02 3K083/BB09 3K083/BC02 3K083/BC16 3K083/BC17 3K083/BC33 3K083/BC42 3K083/BD03 3K083/BD08 3K083/BD09 3K083/CA06 3K083/CA38 5C039 5C015 5C039/EB11

JP F-Index: H01J61/68/Y H05B41/19/C H01J61/10/L H01J61/10/N H01J61/56/L H01J61/56/N



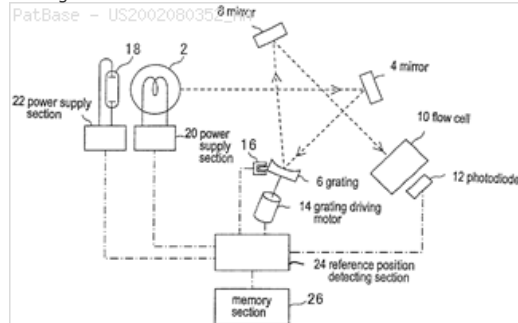
Publication number	Publication date	Application number	Application date
AU2008268735 AA	20081231	AU20080268735	20080502
AU2008268735 BB	20130502	AU20080268735	20080502
CN101690408 A	20100331	CN200880022466	20080502
CN101690408 B	20121031	CN200880022466	20080502
EP2173144 A1	20100407	EP20080752329	20080502
EP2173144 A4	20150715	EP20080752329	20080502
EP2173144 B1	20170621	EP20080752329	20080502
JP2009009842 A2	20090115	JP20070170702	20070628
JP2013033754 A2	20130214	JP20120230974	20121018
JP5117774 B2	20130116	JP20070170702	20070628
JP5576454 B2	20140820	JP20120230974	20121018
KR101456733 B1	20141031	KR20097020837	20080502
KR20100029071 A	20100315	KR20097020837	20080502
US2010181912 AA	20100722	US20080666512	20080502
US8314557 BB	20121120	US20080666512	20080502
WO90001616 A1	20081231	WO2008JP58424	20080502

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SPECTROPHOTOMETER

Abstract: In a spectrophotometer, a position of a motor corresponding to a 254 nm bright line in the last check is read out from a memory section, and only a low-pressure mercury lamp is lighted up to scan a grating around the 254 nm line position in the last check, so that the 254 nm line position where a 254 nm line is ejected on a cell is detected. The low-pressure mercury lamp is turned off, and after only a D2 lamp is lighted up, the grating is scanned to detect an original position where an original or zero-order light is ejected on the cell and a 656 nm line position where a 656 nm line is ejected on the cell. Then, based on the 254 nm line position and the 656 nm line position which are actually measured, wavelength check is carried out.

JP F-Index: G01J3/06 G01J3/10



Publication number	Publication date	Application number	Application date
JP2002202189 A2	20020719	JP20000398911	20001227
JP4325109 B2	20090902	JP20000398911	20001227
US2002080352 AA	20020627	US20010000098	20011204
US6795180 BB	20040921	US20010000098	20011204

Inventor(s): (std): BUNGO HAJIME

Title: METHODS AND SYSTEMS FOR SEMICONDUCTOR FABRICATION PROCESSES

Abstract: Methods and systems for monitoring semiconductor fabrication processes are provided. A system may include a stage configured to support a specimen and coupled to a measurement device. The measurement device may include an illumination system and a detection system. The illumination system and the detection system may be configured such that the system may be configured to determine multiple properties of the specimen. For example, the system may be configured to determine multiple properties of a specimen including, but not limited to, an implant characteristic and a presence of defects. In this manner, a measurement device may perform multiple optical and/or non-optical metrology and/or inspection techniques.

Classifications:

International (IPC 8-9): G01N21/21 G01N21/47 G01N21/55 G01N21/63 G01N21/64 G01N21/95 G01N21/956 G03F7/20 H01J37/31 H01J37/317 H01L21/02 H01L21/26 H01L21/265 H01L21/66 (Advanced/Invention); H01J37/31 (Core/Invention)

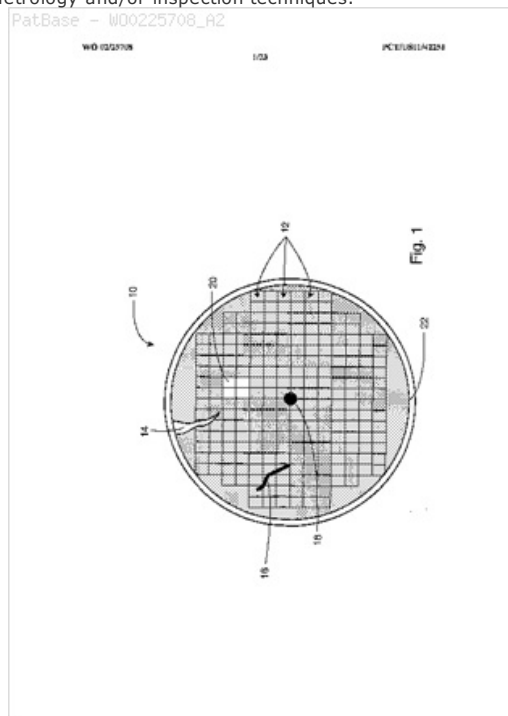
International (IPC 1-7): H01J37/317 H01L21/00 H01L21/02 H01L21/265 H01L21/66

CPC: G01N21/94 G03F7/70708 G01N21/211 G01N21/47 G01N21/55 G01N21/636 G01N21/64 G01N21/9501 G01N21/9503 G01N21/956 G01N2021/646 G01N2021/8825 G03F7/70616 G03F7/70625 G03F7/70633 G03F7/7065 G03F7/70658 G03F7/707 H01J2237/31701 H01L22/12 H01L2924/0002 Y10T117/1004

European: G01N21/21B G01N21/47 G01N21/55 G01N21/63H G01N21/64 G01N21/956 G01N21/95A G03F7/20T22 G03F7/20T24 G03F7/70L10 G03F7/70L10B G03F7/70L10D G03F7/70L10H G03F7/70L10J G03F7/70N2 G03F7/70N2B S01N21/64P4D S01N21/88K6B S01N21/95A2 T01J237/317A T01L21/66M2 T01L22/12

JP F-Term: 4M106 4M106/AA01 4M106/BA04 4M106/BA05 4M106/BA07 4M106/BA08 4M106/BA10 4M106/CA41 4M106/DH11 4M106/DJ04 4M106/DJ06 4M106/DJ20 5C034 5C034/CD06 5F054 5F117 2G051 2G051/AA51 2G051/AB07 2G051/BA05 2G051/BB03 2G051/CA03 2G051/CB01 2G051/CC07 2G051/DA08 4M106/BA02 4M106/BA09 4M106/CA21 4M106/CA39 4M106/CA48 4M106/DB02 4M106/DB04 4M106/DB07 4M106/DB14 4M106/DH34 4M106/DJ17 4M106/DJ18

JP F-Index: H01J37/317/Z H01L21/02/Z H01L21/265/T H01L21/66/J G01N21/956/A



Family:

Publication number	Publication date	Application number	Application date
AU2001295060 AA	20020402	AU20010295060	20010920
AU200195060 A1	20020402	AU20010095060	20010920
AU200195060 A5	20020402	AU20010095060	20010920
EP1319244 A1	20030618	EP20010975770	20010920
JP2004513509 T2	20040430	JP20020529821T	20010920
JP2016122860 A2	20160707	JP20160038880	20160301
JP5789353 B2	20151007	JP20020529821T	20010920
WO225708 A2	20020328	WO2001US42251	20010920

Priority:

US20000234323P 20000920 JP20140046769 20010920 WO2001US42251 20010920
JP20160038880 20160301

Probable Assignee: KLA ENCOR CORP

Assignee(s): (std): KLA ENCOR CORP ; KLA TENCOR INC

Inventor(s): (std): WACK DAN ; SMEDT RODNEY C ; RODNEY C SMEDT ; NIKOONAHAD MEHRDAD ; MEHRDAD NIKOONAHAD ; LEVY ADY ; KYLE A BROWN ; GARY BULTMAN ; FIELDEN JOHN ; DAN WACK ; BULTMAN GARY ; BROWN KYLE A ; ADY LEVY

Inventor(s): JOHN FIELDEN

Agent(s): YAMAKAWA MASAKI

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Title: TAGGING SYSTEM

Abstract: A system for the verification of an aqueous urea solution suitable for use in a process for the selective catalytic reduction of nitrogen oxides emitted from a diesel engine mounted in a vehicle, said aqueous urea solution comprising from 30 - 35 percent of urea comprises a) a tracer composition comprising a first tracer compound, optionally at least one secondary tracer compound and optionally a solvent, the tracer composition being soluble in said aqueous urea solution b) analytical apparatus adapted to measure the concentration of said first tracer compound in a sample of said urea solution and compare said concentration with the concentration of tracer in a standard sample of urea solution containing a pre-determined amount of said

first tracer compound said analytical apparatus being mounted on or within said vehicle, and c) an indicating means for indicating when the difference between the concentration of said first tracer in the urea solution and the concentration of tracer in the standard sample of the urea solution exceeds a pre-determined value.

Classifications:

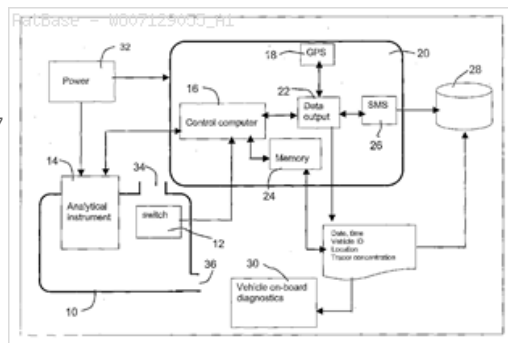
International (IPC 8-9): C01C1/08 F01N3/20

G01N33/50 (Advanced/Invention);

C01C1/00 F01N3/20 G01N33/50 (Core/Invention)

CPC: F01N11/00 F01N2560/12 F01N2900/12 F01N2900/1818 G01N21/274
G01N21/64 F01N3/2066 F01N2550/05 F01N2610/02 Y02T10/24 Y02T10/47
Y02A50/2325

European: F01N3/20E R01N550/05 R01N610/02



Family:

Publication number	Publication date	Application number	Application date
GB200608980 A0	20060614	GB20060008980	20060508
WO07129055 A1	20071115	WO2007GB01626	20070503

Priority:

GB20060008980 20060508

Probable Assignee: JOHNSON MATTHEY PLC

Assignee(s): (std): GREEN DARRELL ; JOHNSON MATTHEY PLC ; MARCHANT CLIVE ANTONY

Inventor(s): (std): GREEN DARRELL ; MARCHANT CLIVE ANTONY

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

7) Family number: 42900049 (WO09018367A2)

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Title: NOVEL SALT FORMS OF (2S)-(4E)-N-METHYL-5-[3-(5-METHOXYPYRIDIN)YL]-4-PENTEN-2-AMINE

Abstract: Salts of (2S)-(4E)-N-methyl-5-[3-(5-methoxypyridin)yl]-4-penten-2-amine, methods for their preparation, pharmaceutical compositions comprising said salts, and their use are disclosed. The salts can be administered to patients susceptible to or suffering from conditions and disorders, such as central nervous system disorders, to treat or prevent such disorders.

Classifications:

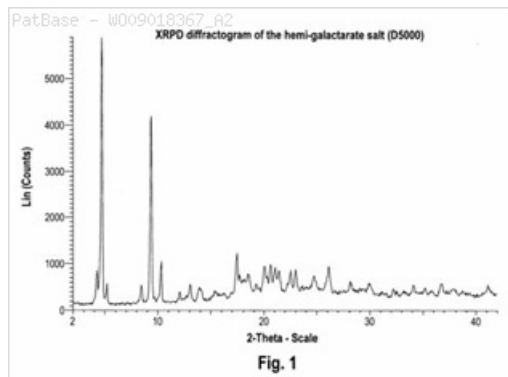
International (IPC 8-9): A61K31/44 A61P25/28

C07D213/62 (Advanced/Invention);

A61K31/44 A61P25/00 C07D213/00 (Core/Invention)

CPC: C07D213/62

European: C07D213/62



Family:

Publication number	Publication date	Application number	Application date
WO09018367 A2	20090205	WO2008US71631	20080730
WO09018367 A3	20100527	WO2008US71631	20080730

Priority:

US20070953064P 20070731

Probable Assignee: TARGACEPT INC

Assignee(s): (std): BENCHERIF MEROUANE ; BHATTI BALWINDER SINGH ; DULL GARY MAURICE ; FORDHAM MEIER BETH ; GENUS JOHN ; JAMES JOHN W ; JORDAN KRISTEN ; TARGACEPT INC ; MUNOZ JULIO A ; WILLIAMS MICHAEL G ; LIPPIELLO PATRICK M ; YOUNG JENNIFER A

Inventor(s): (std): BENCHERIF MEROUANE ; BHATTI BALWINDER SINGH ; DULL GARY MAURICE ; FORDHAM MEIER BETH ; GENUS JOHN ; JAMES JOHN W ; JORDAN KRISTEN ; LIPPIELLO PATRICK M ; MUNOZ JULIO A ; WILLIAMS MICHAEL G ; YOUNG JENNIFER A

Agent(s): MASSEY CARL B JR

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA

8) Family number: 61657050 (US2016047746A)

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Title: HANDHELD FLUOROMETER

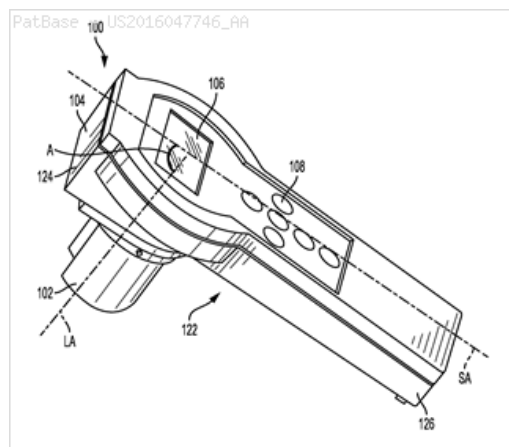
Abstract: A fluorometer for measuring fluorescence of a sample includes an excitation source for emitting electromagnetic radiation along a first beam path to induce fluorescence in the sample. An excitation filter transmits electromagnetic radiation from the excitation source toward the sample. An excitation filter holder supports the excitation filter and defines an aperture for passage of electromagnetic radiation from the excitation source. The aperture is positioned asymmetrically relative to the first beam path such that the aperture allows an asymmetrical portion of the electromagnetic radiation in the first beam path to pass toward the sample and the excitation filter holder blocks passage of a corresponding asymmetrical portion of the electromagnetic radiation in the first beam path. The blocked passage of the corresponding asymmetrical portion of the electromagnetic radiation in the first beam path reduces the amount of electromagnetic radiation oriented directly from the emitter module to the detector module.

Classifications:**International (IPC 8-9):** G01N21/64 G01N21/85

G01N21/88 (Advanced/Invention)

CPC: G01N21/645 G01N21/6428 G01N2201/068 G01N2021/6471

G01N21/6486 G01N21/8507 G01N21/8806

US: 1/1 250/226 250/458.1 250/459.1 250/461.1 436/96**Family:**

Publication number	Publication date	Application number	Application date
AU2015302108 AA	20170223	AU20150302108	20150803
CA2957685 AA	20170208	CA20152957685	20150803
CN106716110 A	20170524	CN201580050497	20150803
EP3180601 A1	20170621	EP20150832275	20150803
EP3180601 A4	20180502	EP20150832275	20150803
MX2017001950 A1	20170814	MX20170001950	20150803
US2016047746 AA	20160218	US20140457573	20140812
US2016097721 AA	20160407	US20150970573	20151216
US9261459 BA	20160216	US20140457573	20140812
US10254224 BB	20190409	US20150970573	20151216
WO16025205 A1	20160218	WO2015US43384	20150803

Priority:

US20140457573 20140812 WO2015US43384 20150803 US20150970573 20151216

Probable Assignee: ECOLAB USA INC**Assignee(s):** (std): ECOLAB USA INC**Assignee(s):** FAWBUSH STACY ; VALENSTEIN JUSTIN SCOTT ; SKIRDA ANATOLY ; PILIPCHENKO ANNA ; TOKHTUEV EUGENE ; HUTCHISON JEFFREY ; BAKKEN AMANDA ; BOLDUC JOHN WILHELM**Inventor(s):** (std): AMANDA BAKKEN ; ANATOLY SKIRDA ; ANNA PILIPCHENKO ; BAKKEN AMANDA ; BOLDUC JOHN WILHELM ; EUGENE TOKHTUEV ; FAWBUSH STACY ; HUTCHISON JEFFREY ; JEFFREY HUTCHISON ; JOHN WILHELM BOLDUC ; JUSTIN SCOTT VALENSTEIN ; PILIPCHENKO ANNA ; SKIRDA ANATOLY ; STACY FAWBUSH ; TOKHTUEV EUGENE ; VALENSTEIN JUSTIN SCOTT**Agent(s):** SPRUSON AND FERGUSON; BORDEN LADNER GERVAIS LLP; MICHALSKI HUETTERMANN AND PARTNER PATENTANWALTE MBB; FREDRIKSON AND BYRON PA; DEMASTER ERIC**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**9) Family number: 4709051 (US5037523A)**

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Title: Air cooled cartridge for capillary electrophoresis

Abstract: An electrophoresis instrument includes a capillary tube mounted in an air cooled cartridge. The cartridge also supports a spherical lens which is part of the optical detection apparatus. The cartridge rests in a manifold which includes the sample and buffer reservoirs. The temperature of the capillary tube is controlled by measuring the electrical resistance of the capillary tube during the electrophoresis process and then cooling or heating the cartridge by circulating temperature controlled air over the tube. The optical path associated with the instrument is a fiber optic bundle bifurcated close to dual detectors into a reference arm

and a sample arm so as to provide similar reference and sample optical paths. The instrument may be used for temperature control for gradient electrophoresis and also, a neutral marker for determining electro-osmotic flow may be detected.

Classifications:

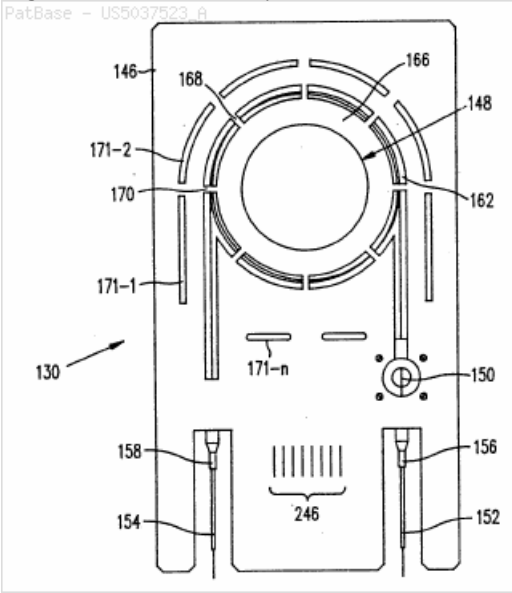
International (IPC 8-9): G01N27/447 (Advanced/Invention);
G01N27/447 (Core/Invention)

International (IPC 1-7): B01D57/02 G01N27/26

CPC: G01N27/44708 G01N27/44721

European: G01N27/447B1 G01N27/447B3A

US: 204/180.1 204/299R 204/602 204/603



Family:

Publication number	Publication date	Application number	Application date
US5037523 A	19910806	US19900470209	19900125

Priority:

US19900470209 19900125

Probable Assignee: THERMO BIOANALYSIS CORP

Assignee(s): (std): SPECTRA PHYSICS

Assignee(s): SPECTRA PHYSICS ANALYTICAL ; SPECTRA PHYSICS ANALYTICAL INC ; SPECTRA PHYSICS INC ; THERMO BIOANALYSIS CORP ; THERMO SEPARATION PRODUCTS INC

Inventor(s): (std): HOPPE THOMAS W ; TARANTINO ELIA R ; WEINBERGER SCOT R

10) Family number: 18306051 (US4722606A)

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Title: Analytical photometer, in particular multi-channel, applied to a centrifugal system adapted to perform practically simultaneous determination of the presence of different substances in a certain number of samples

Abstract: In an analytical photometer, in particular multi-channel, for the simultaneous analysis of a multiplicity of samples, the light source provided is a flash tube for producing light pulses in which a permanent preionization discharge is maintained and the light energy is derived by optical fibres to be sent to optical systems where the beam is divided into an analysis beam which travels through the sample and a reference beam, both finally delivered to photodetectors. Both the divided beams pass through identical filtering systems for selection of a narrow spectral band of relevance for analytical purposes.

Classifications:

International (IPC 8-9): G01J3/02 G01N21/25 (Advanced/Invention);
G01J1/16 G01N21/07 G01N21/31 (Advanced/Non-invention);
G01J3/00 G01N21/25 (Core/Invention);
G01J1/10 G01N21/03 G01N21/31 (Core/Non-invention)

International (IPC 1-7): G01J3/0 G01J3/00 G01J3/02 G01N21/25

G01N21/27

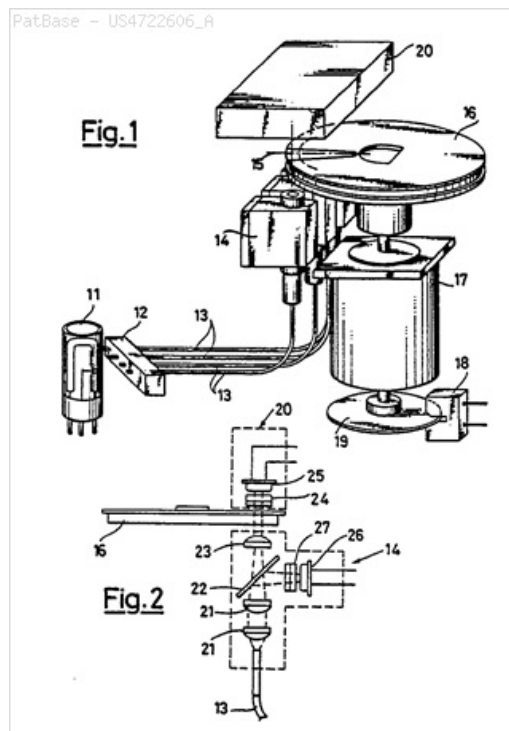
CPC: G01J1/1626 G01N21/07 G01N21/255 G01N21/314 G01N2201/0696
G01N2201/08

European: G01N21/25C S01J1/16D S01N201/069P S01N201/08
S01N21/07 S01N21/31D

US: 356/414 356/427

JP F-Term: 2G020 2G020/AA04 2G020/AA05 2G020/CA02 2G020/CB05
2G020/CB07 2G020/CB26 2G020/CB32 2G020/CB33 2G020/CB43
2G020/CB53 2G020/CB54 2G020/CC27 2G020/CC31 2G020/CC47
2G020/CC49 2G020/CD24

JP F-Index: G01J3/02

**Family:**

Publication number	Publication date	Application number	Application date
AT46218 E	19890915	AT19850201844T	19851112
CA1254056 A1	19890516	CA19850495383	19851114
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Priority:

IT19840023647 19841119 EP19850201844 19851112 CA19850495383 19851114

Probable Assignee: IL HOLDING SPA

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Designated states: AT BE CH DE FR GB LI NL SE