

Search history

Search 1: FT=(LED~ AND ILUMINATION~) (Results 266)
Search 2: 1 and retroflex* (Results 0)
Search 3: retroflexion (Results 243)
Search 4: 3 and illumination (Results 0)
Search 5: optic and microscopy (Results 14084)
Search 6: 5 and illumination (Results 11)
Search 7: (pn=16157390) (Results 0)
Search 8: (pn=CO16157390) (Results 1)
Search 9: fn=(65747521) (Results 1)
Search 10: retro-reflection and illumination (Results 1)
Search 11: 1 (Results 266)
Search 12: retro-reflection and microscopy (Results 35)
Search 13: microscopy and illumination (Results 24)

Title: PARTICLE ANALYZER APPARATUS EMPLOYING LIGHT-SENSITIVE ELECTRONIC DETECTOR ARRAY

Abstract: Source: US4075462A A particle analyzer system which operates on-line, real-time and is adaptable to use in process control systems wherein the analysis provides a basis for control of the process. Images of particles are focused onto an array of light sensitive electronic elements. The resulting light pattern is translated into digital data which is retrievably stored in a memory. Analysis of the data by digital logic yields information as to particle counts, size, shape and other physical characteristics. Interim storage in the light sensitive array itself is provided which allows data accumulation using short duration stroboscopic illumination.

Classifications:

International (IPC 8-9): G01N15/02 G01N15/14 G01N33/49

G06M11/00 G06M11/02 (Advanced/Invention);

G01N15/02 G01N15/14 G01N33/49 G06M11/00 (Core/Invention)

International (IPC 1-7): G01N15/00 G01N15/02 G01N21/17

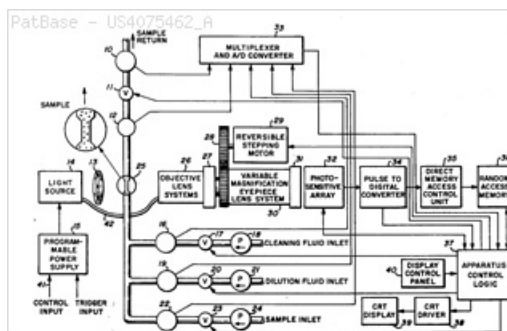
G01N21/22 G01N27/08 G01N33/16 G06K9/16 G06M11/00

G06M11/02 G06M7/00

CPC: G01N15/147

European: G01N15/14H1

US: 235/92PC 377/10 377/37 377/53



Family:

Publication number	Publication date	Application number	Application date
CA1050660 A1	19790313	CA19750241520	19751211
DE2558392 A1	19760715	DE19752558392	19751223
FR2297413 A1	19760806	FR19760000340	19760108
FR2297413 B1	19810227	FR19760000340	19760108
GB1497698 A	19780112	GB19750049074	19751128
JP51095884 A2	19760823	JP19760001814	19760108
US4075462 A	19780221	US19750539341	19750108

Priority:

US19750539341 19750108

Probable Assignee: ROWE W

Assignee(s): (std): ROWE W ; ROWE WILLIAM ; ROWE WILLIAM G ; ROWE WILLIAM GUY

Assignee(s): MET ONE INC

Inventor(s): (std): ROWE WILLIAM G ; ROWE WILLIAM GUY

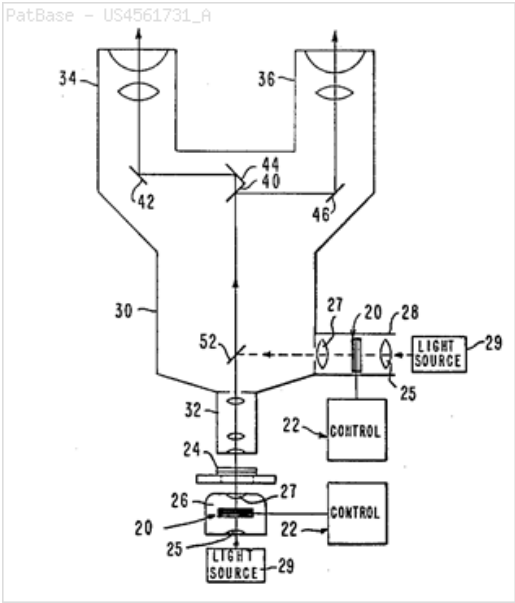
Inventor(s): GUY ROWE WILLIAM

Title: Electronic illumination control

Abstract: Source: US4561731A A light transmission unit, such as a liquid crystal cell, operated by an electronic control circuit is interposed in the illumination system of a viewing system for providing a plurality of selectable illumination or viewing conditions, such as transmissive illumination, incident illumination, oblique illuminations, differentially shaded illumination, dark field illumination, bright field illumination, phase contrast illumination, differential polarization illumination, and/or color illumination.

Classifications:

International (IPC 8-9): G02B21/00 (Advanced/Invention)
International (IPC 1-7): G01B11/00 G01B11/02 G02B21/00 G02B21/06 G02B21/08 G02B21/20 G02F1/01 G02F1/13
CPC: G02B21/088 G02F1/134309
European: G02B21/08D G02F1/1343A
US: 250/225 250/226 250/559.08 250/559.09 250/559.24 250/560 348/139 349/1 349/62 356/369 356/384 358/107 359/385



Family:

Publication number	Publication date	Application number	Application date
DE3108389 A1	19820408	DE19813108389	19810305
JP56137324 A2	19811027	JP19810030605	19810305
US4561731 A	19851231	US19840644116	19840824
US4806776 A	19890221	US19850762635	19850805

Priority:

US19800128891 19800310 US19810319993 19811109 US19840644116 19840824
US19850762635 19850805

Probable Assignee:

KLEY VICTOR B

Assignee(s): (std):

BIKUTAA BII KUREI ; KLEY VICTOR B

Inventor(s): (std):

KLEY VICTOR B ; BIKUTAA BII KUREI

Inventor(s):

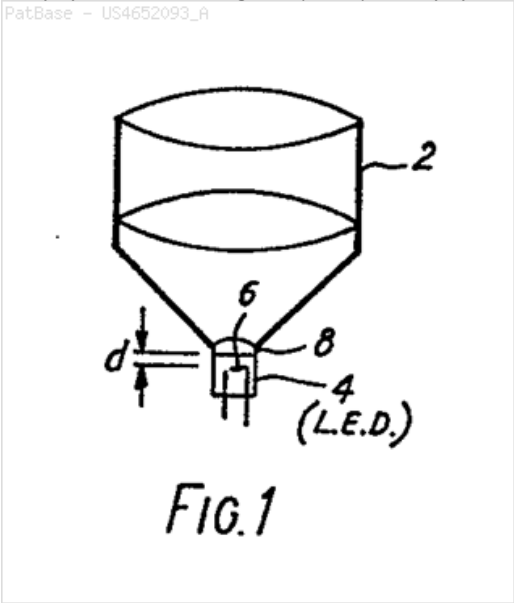
B KLEY VICTOR

Title: Optical instruments

Abstract: Source: US4652093A The invention relates to the illumination of optical instruments such as microscopes or auriscopes by means of the light from light-emitting diodes (L.E.D.) (6, 50). Advantageously, the light from the diodes may be strobed. Examples described include the positioning of L.E.D.'s (6) at the focal point of the inverted condenser lens (2) of a microscope, and the inclusion of a plurality of L.E.D.'s (50) in the probe portion (38) of an auriscope. In the latter case, the device may also be provided with a source of frequency-controlled sound (28) channelled through the probe portion (38).

Classifications:

International (ipc 8-9): A61B1/227 A61B1/267
G02B21/06 (Advanced/Invention);
A61B1/227 A61B1/267 G02B21/06 (Core/Invention)
International (ipc 1-7): A61B1/06 A61B1/22 G02B21/06 G02B27/64
CPC: A61B1/227 A61B1/2673 G02B21/06
European: A61B1/227 A61B1/267A G02B21/06
US: 350/500 356/23 359/554 600/200



Family:

Publication number	Publication date	Application number	Application date
AT22653 E	19861015	AT19830307084T	19831118
DE3366655 D1	19861113	DE19833366655	19831118
EP0109846 A1	19840530	EP19830307084	19831118
EP0109846 B1	19861008	EP19830307084	19831118
GB2132378 A1	19840704	GB19830030308	19831114
GB2132378 B2	19860521	GB19830030308	19831114
GB8330308 A0	19831221	GB19830030308	19831114
US4652093 A	19870324	US19830552444	19831116

Priority:

EP19830307084 19831118 GB19820033132 19821119 GB19820033133 19821119

Probable Assignee: GWYNDANN GROUP

Assignee(s): (std): GWYNDANN GROUP ; GWYNDANN GROUP LTD

Assignee(s): GWYNDANN GROUP 5 BROAD STREET ELY CAMBRIDGESHIRE C ; GWYNDANN GROUP LIMITED

Inventor(s): (std): OCKLEFORD COLIN DOUGLAS ; STEPHEN RICHARD OWEN ; STEPHEN RICHARD O ; OCKLEFORD COLIN D

Inventor(s): COLIN DOUGLAS OCKLEFORD ; RICHARD OWEN STEPHEN

Designated states: AT BE CH DE FR IT LI LU NL SE

Title: Method for the acquisition of images by confocal **microscopy**

Abstract: Source: US6016367A A method for the acquisition of images by means of confocal **microscopy** in which a new image is calculated which is constituted by the "maxima" among the corresponding elements of each captured image. The new image contains mainly the signal coming from the most luminous and in focus areas and even the signal coming from the less luminous areas, as being out of focus or laterally displaced with respect to the grid positions. A further image is then calculated which is constituted by the "minima" among the corresponding elements of each captured image and the requested confocal image is then obtained by calculating the difference between the "maxima" image and the "minima" image.

Classifications:

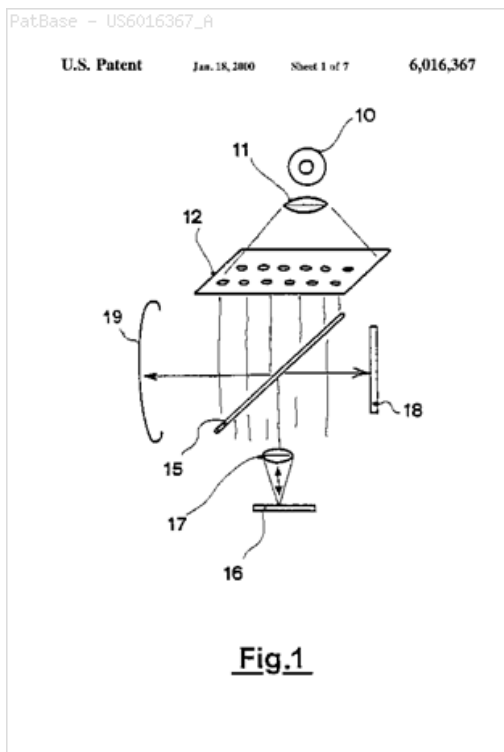
International (IPC 8-9): G02B21/00 G06T5/50 (Advanced/Invention); G02B21/00 G06T5/50 (Core/Invention)

International (IPC 1-7): G02B21/00 G06T5/50 H01J3/14

CPC: G02B21/004 G02B21/0056 G02B21/0076 G02B21/008 G06T5/50

European: G02B21/00M4A G02B21/00M4A5A G02B21/00M4A7C G02B21/00M4A7U G02B21/00M4A9 G06T5/50

US: 382/275 382/299



Family:

Publication number	Publication date	Application number	Application date
DE69721167 D1	20030528	DE19976021167	19970925
DE69721167 T2	20040311	DE19976021167T	19970925
EP0833181 A1	19980401	EP19970830468	19970925
EP0833181 B1	20030423	EP19970830468	19970925
IT1286838 B1	19980717	IT1996FI00220	19960925
ITFI960220 A0	19960925	IT1996FI00220	19960925
ITFI960220 A1	19980325	IT1996FI00220	19960925
US6016367 A	20000118	US19970935298	19970922

Priority:

IT1996FI00220 19960925

Probable Assignee: CONSIGLIO NAZIONALE DELLE RICERCHE

Assignee(s): (std): CONSIGLIO NAZIONALE RICERCHE

Assignee(s): CONSIGLIO NAZ DELLE RICERCHE R ; CONSIGLIO NAZIONALE DELLE RICERCHE ; CONSIGLIO NAZIONALE DELLE RICERCHE ROM ROMA

Inventor(s): (std): BENEDETTI PIER ALBERTO ; EVANGELISTA VALTERE ; GUIDARINI DANTE ; VESTRI STEFANO ; GUIRARDINI DANTE ; EVANGELISTA VALTER

Designated states: DE FR GB

Title: METHOD AND APPARATUS FOR SCREENING CHEMICAL COMPOUNDS

Abstract: Source: US2003036855A Methods and apparatus for screening large numbers of chemical compounds and performing a wide variety of fluorescent assays, including live cell assays. The methods utilize a laser linescan confocal microscope with high speed, high resolution and multi-wavelength capabilities and real time data-processing. Imaging may be done at video-rates and with use of ultraviolet illumination.

Classifications:

International (IPC 8-9): G01N21/64 G01N33/15 G01N33/48 G01N33/50 G02B13/14 G02B21/00 G06F19/00

G06K9/00 (Advanced/Invention);
G01N21/64 G01N33/15 G01N33/50 G02B13/14

G02B21/00 (Advanced/Non-invention);

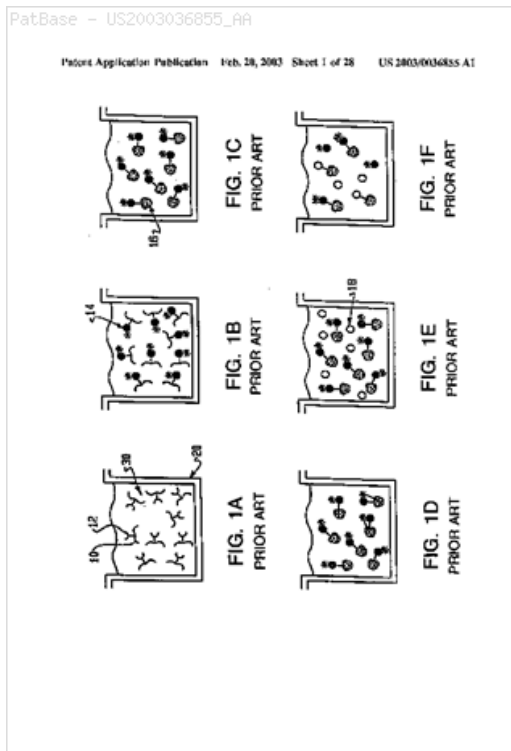
G01N21/64 G01N33/15 G01N33/48 G01N33/50 G02B13/14 G02B21/00 G06F19/00 (Core/Invention)

International (IPC 1-7): G01N21/64 G01N33/15 G01N33/48 G01N33/50 G02B013/14 G02B13/14 G02B21/00 G02B26/08 G06K9/00

CPC: G02B21/0064 G02B21/0084 G01N21/6458 G01N2021/6439 G02B21/0028 G02B21/006 G02B21/0072 G02B21/0076

European: G02B21/00M4A G02B21/00M4A1 G02B21/00M4A7F G02B21/00M4A7M G02B21/00M4A7R G02B21/00M4A7U G02B21/00M4A9T S01N21/64H7 S01N21/64P4C

US: 250/201.2 250/234 359/196 359/196.1 359/204.1 359/210 359/210.1 359/368 359/391 359/823 382/128 382/128P 382/128S 382/130 382/133 702/19 702/19P 702/2 702/20 702/20S

**Family:**

Publication number	Publication date	Application number	Application date
AU199933547 A1	19991011	AU19990033547	19990316
AU2003204937 AA	20030724	AU20030204937	20030625
AU2003204937 BB	20041202	AU20030204937	20030625
AU758571 B2	20030327	AU19990033547	19990316
BRPI9908767 A	20011016	BR1999PI08767	19990316
BRPI9908767 B1	20110906	BR1999PI08767	19990316
CA2324262 AA	20000915	CA19992324262	19990316
CA2324262 C	20100525	CA19992324262	19990316
CN100380160 C	20080409	CN19998006221	19990316
CN1301357 A	20010627	CN19998006221	19990316
EP1064579 A1	20010103	EP19990914908	19990316
EP1064579 A4	20071107	EP19990914908	19990316
IL138496 A0	20011031	IL19990138496	19990316
IL138496 A1	20050124	IL19990138496	19990316
IL164319 A0	20051218	IL19990164319	19990316
JP2002507762 T2	20020312	JP20000537103T	19990316
JP4812937 B2	20111109	JP20000537103T	19990316
KR100560588 B1	20060316	KR20007010258	19990316
KR100618502 B1	20060901	KR20057015316	19990316
KR20010041945 A	20010525	KR20007010258	19990316
KR20050088500 A	20050906	KR20057015316	19990316
NO20004601 A	20001110	NO20000004601	20000915
NO20004601 A0	20000915	NO20000004601	20000915
US2003036855 AA	20030220	US20020227552	20020816
US2008262741 AA	20081023	US20080028345	20080208
US2011255756 AA	20111020	US20110150532	20110601
US6388788 BA	20020514	US19990333749	19990615
US6400487 BA	20020604	US20000724253	20001128
US7957911 BB	20110607	US20080028345	20080208
WO9947963 A1	19990923	WO1999US05589	19990316
WO9947963 C1	19991118	WO1999US05589	19990316
WO9947963 C2	19991223	WO1999US05589	19990316

Priority:

AU19990033547	19990316	AU20030204937	20030625	US19990300335	19990427
US19980042527	19980316	US19990316479	19990521	KR20007010258	20000916
US19990333749	19990615	US20020227552	20020816	WO1999US05589	19990316
US20000724253	20001128	US20080028345	20080208	US20110150532	20110601
WO1999US00055	19990316				

Probable Assignee: GE HEALTHCARE BIO SCIENCES CORP

Assignee(s): (std): HANSEN RICHARD L ; HARRIS TIMOTHY D ; TRAUTMAN JAY K ; KARSH WILLIAM ; NICKLAUS NEAL A ; PRAELUX INCORP ; PRAELUX INC ; PRAELUX INC A CORP OF NEW JERS ; AMERSHAM BIOSCIENCES CORP ; GE HEALTHCARE BIO SCIENCES

Assignee(s): GE HEALTHCARE BIO SCIENCES CORP ; PRAELUX INC A OF NEW JERSEY CORP

Inventor(s): (std): TRAUTMAN JAY K ; TRAUTMAN J K ; HARRIS TIMOTHY D ; HARRIS T D ; HANSEN RICHARD L ; HANSEN R L ; NICKLAUS NEAL A ; KARSH WILLIAM

Inventor(s): J K TRAUTMAN ; T D HARRIS ; R L HANSEN ; JAY K TRAUTMAN ; JK TRAUTMAN ; NEAL A NICKLAUS ; RICHARD L HANSEN ; RL HANSEN ; TD HARRIS ; TIMOTHY D HARRIS ; WILLIAM KARSH

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO; REINHOLD COHN AND PARTNERS; GE HEALTHCARE BIO SCIENCES CORP PATENT DEPARTMENT; YONGGANG

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

Title: LIGHTING SYSTEM FOR A STEREOMICROSCOPE

Abstract: Source: US2002109912A Illumination arrangement for a stereo microscope, preferably a Greenough type stereo microscope, comprising at least one, preferably two illumination channels which are arranged in a plane which is arranged essentially orthogonally with respect to the plane of the two observation channels, preferably with two light channels in the interior of the microscope housing outside of the observation beam paths, wherein the light channels are guided around the observation optics.

Classifications:

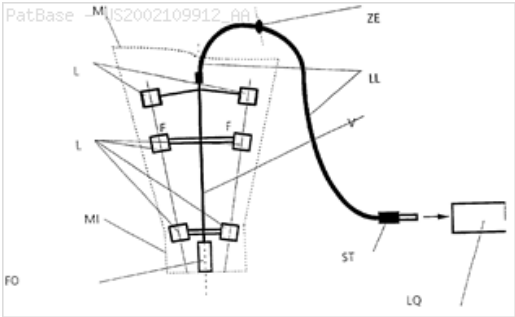
International (IPC 8-9): G02B21/06 G02B21/08 G02B21/16
G02B21/22 G02B23/26 (Advanced/Invention);
G02B6/00 (Advanced/Non-invention);
G02B21/06 G02B21/16 G02B21/18 G02B23/26 (Core/Invention);
G02B6/00 (Core/Non-invention)

International (IPC 1-7): G02B21/06 G02B21/08 G02B21/16
G02B21/22 G02B23/26

CPC: G02B6/0001 G02B21/22 G02B21/082

European: G02B21/08B G02B21/22 S02B6/00L

US: 359/376 359/380 359/385



Family:

Publication number	Publication date	Application number	Application date
DE19822255 A1	19991125	DE19981022255	19980518
DE19822255 C2	20010705	DE19981022255	19980518
DE29824633 U1	20011129	DE19982024633U	19980518
DE29825158 U1	20050825	DE19982025158U	19980518
DE59914404 D1	20070823	DE19995014404	19990505
EP0996864 A1	20000503	EP19990923529	19990505
EP0996864 B1	20070711	EP19990923529	19990505
EP0996864 B2	20120104	EP19990923529	19990505
JP2002516409 T2	20020604	JP20000549995T	19990505
US2002109912 AA	20020815	US20000462961	20000410
US6822790 BB	20041123	US20000462961	20000410
WO9960437 A1	19991125	WO1999EP03070	19990505

Priority:

DE19981022255 19980518 DE19982024633U 19980518 DE19982025158U 19980518
WO1999EP03070 19990505

Probable Assignee: CARL ZEISS MICROSCOPY GMBH

Assignee(s): (std): KNOBLICH JOHANNES ; ZEISS CARL JENA GMBH

Assignee(s): CARL ZEISS JENA GMBH ; CARL ZEISS MICROSCOPY GMBH

Inventor(s): (std): KNOBLICH JOHANNES

Agent(s): SCHIFFER AXEL MARTIN

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT JP LI LU MC NL PT SE US

Title: ILLUMINATION SYSTEM AND METHOD FOR SPATIAL MODULATORS

Abstract: Source: US6137631A The present invention is directed to a system and a method for illuminating imaging radiant energy from a laser source onto a spatial modulator. It comprises means or a step of focusing the radiant energy from the laser source at a focal point. There is further provided a mixing means mixing the radiant energy substantially at or downstream the focal point, the mixing means having an input, a plurality of reflecting surfaces and an output, wherein the reflecting surfaces are arranged so that upon entry of the radiant energy into the input of the mixing means the radiant energy is subjected to multiple reflections and at the output the distribution of the radiant energy is substantially uniform.

Classifications:

International (IPC 8-9): B41C1/055 B41C1/10 B41C3/08 B41J2/447 B41J2/45 B41M5/00 B41M5/26 B41N3/00 B41N6/00 G02B27/00 G02B27/09 G02B27/10 G02B27/14 G02B27/16 G02B27/18 G02F1/03 G02F1/055 G03F7/20 G06K15/12 H04N1/12

H04N1/401 (Advanced/Invention);

B41C1/055 B41C1/10 G02B27/00 G02B27/18

G03F7/20 (Advanced/Non-invention);

B41C1/055 B41C3/00 B41J2/447 B41J2/45 B41M5/00 B41M5/26

B41N3/00 B41N6/00 G02B27/00 G02B27/09 G02B27/10 G02B27/14

G02B27/18 G02F1/01 G03F7/20 G06K15/12 H04N1/12

H04N1/401 (Core/Invention);

B41C1/10 G03F7/20 (Core/Non-invention);

B41J (Subclass/Invention)

International (IPC 1-7): B41C1/055 B41J B41J2/447 B41J2/45

G02B1/03 G02B27/00 G02B27/09 G02B27/10 G02B27/14 G02B27/16

G02B27/18 G02F G02F1/00 G02F1/03 G02F1/055 G03F7/20 G06F17/00 H04N1/12

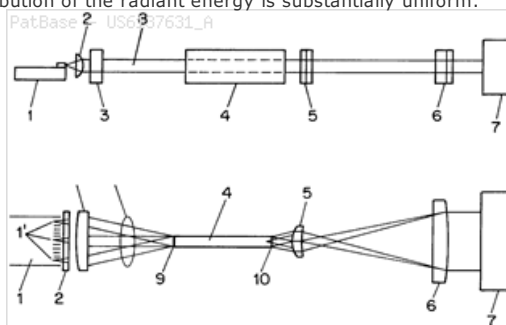
CPC: G02B27/0927 G02B27/0994 B41J2/465 H04N1/4015 H04N1/128 G03F7/2055 G06K15/1238 G06K15/1271 H04N1/121

G03F7/2057

European: B41J2/465 G02B27/09H G02B27/09S5 G03F7/20S2B G06K15/12D G06K15/12D6M H04N1/12D H04N1/12K5

H04N1/401B S03F7/20S2B S03F7/20S3

US: 101/401.1 101/467 359/245 359/246 359/254 359/323 359/618 702/85

**Family:**

Publication number	Publication date	Application number	Application date
AT414933 E	20081215	AT20000909197T	20000217
AU200031562 A1	20000904	AU20000031562	20000217
AU200031562 A5	20000904	AU20000031562D	20000217
AU200037357 A1	20000928	AU20000037357	20000310
AU200037357 A5	20000928	AU20000037357D	20000310
AU200037358 A1	20000928	AU20000037358	20000310
AU200037358 A5	20000928	AU20000037358D	20000310
AU200038740 A1	20000928	AU20000038740	20000310
AU200038740 A5	20000928	AU20000038740D	20000310
CA2328870 AA	20001016	CA20002328870	20000310
CA2328954 AA	20001016	CA20002328954	20000310
CA2329912 AA	20001023	CA20002329912	20000310
CA2362170 AA	20010810	CA20002362170	20000217
DE60031628 D1	20061214	DE20006031628	20000310
DE60031628 T2	20070913	DE20006031628T	20000310
DE60040195 D1	20081023	DE20006040195	20000310
DE60040845 D1	20090102	DE20006040845	20000217
DE60044386 D1	20100624	DE20006044386	20000310
EP1078293 A1	20010228	EP20000916220	20000310
EP1078293 B1	20100512	EP20000916220	20000310
EP1078297 A1	20010228	EP20000916219	20000310
EP1078297 B1	20080910	EP20000916219	20000310
EP1094950 A1	20010502	EP20000917829	20000310
EP1094950 B1	20061102	EP20000917829	20000310
EP1159650 A1	20011205	EP20000909197	20000217
EP1159650 B1	20081119	EP20000909197	20000217
IL139288 A0	20011125	IL20000139288	20000310
IL139288 A1	20041215	IL20000139288	20000310
IL139289 A0	20011125	IL20000139289	20000310
IL139289 A1	20040927	IL20000139289	20000310
IL139290 A0	20011125	IL20000139290	20000310
IL139290 A1	20050124	IL20000139290	20000310
JP2003523841 T2	20030812	JP20000603882T	20000310
JP2003524195 T2	20030812	JP20000604257T	20000310
JP2003524196 T2	20030812	JP20000604262T	20000310
JP4454865 B2	20100421	JP20000604257T	20000310
JP4592960 B2	20101208	JP20000604262T	20000310
US6137631 A	20001024	US19990290828	19990413
US6222666 BA	20010424	US19990290829	19990413
US6369936 BA	20020409	US20000524673	20000313
US7363856 BA	20080429	US20000913780	20000217
WO0049463 A1	20000824	WO2000EP01302	20000217
WO0053422 A1	20000914	WO2000US06274	20000310
WO0054091 A1	20000914	WO2000US06273	20000310
WO0054091 C2	20011101	WO2000US06273	20000310
WO0054096 A1	20000914	WO2000US06272	20000310
WO0054096 C2	20011227	WO2000US06272	20000310

Priority:

EP19990010493	19990312	EP19990103116	19990217	EP19990104942	19990312
EP20000916219	20000310	EP20000909197	20000217	EP19990104943	19990312
EP19990112797	19990702	EP19990104944	19990312	EP19990105135	19990326
US20000524673	20000313	EP20000917829	20000310	WO2000US06274	20000310
US19990290828	19990413	US19990290829	19990413	US19990136035P	19990526
EP20000916220	20000310	WO2000US06273	20000310	WO2000US06272	20000310
WO2000EP01302	20000217				

Probable Assignee: KODAK POLYCHROME GRAPHICS GMBH

Assignee(s): (std): KODAK PLYCHROME GRAPHICS GMBH ; KODAK POLYCHROME GRAPHICS CO ; KODAK POLYCHROME GRAPHICS LLC ; MOULIN MICHEL ; KODAK POLYCHROME GRAPHICS GMBH ; KODAK GRAPHIC COMM GMBH

Assignee(s): KODAK GRAPHIC COMMUNICATIONS GMBH ; KODAK POLYCHROME GRAPHICS CO LTD ; KODAK POLYCHROME GRAPHICS COMPANY LTD

Inventor(s): (std): MOULIN MICHEL

Inventor(s): MICHEL MOULIN

Agent(s): GOWLING LAFLEUR HENDERSON LLP; VOSSIUS AND PARTNER; SANFORD TCOLB AND CO; EITAN PEARL LATZER AND COHEN ZEDEK; REINHOLD COHN AND PARTNERS; FAEGRE AND BENSON LLP; BOCCHETTI MARK G; NOVAIS DAVID A; DAVID A; MARK G

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN 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 NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: LIGHT-EMITTING NANOPARTICLES AND METHOD OF MAKING SAME

Abstract: Source: US2003003300A A method for the production of a robust, chemically stable, crystalline, passivated nanoparticle and composition containing the same, that emit light with high efficiencies and size-tunable and excitation energy tunable color. The methods include the thermal degradation of a precursor molecule in the presence of a capping agent at high temperature and elevated pressure. A particular composition prepared by the methods is a passivated silicon nanoparticle composition displaying discrete optical transitions.

Classifications:

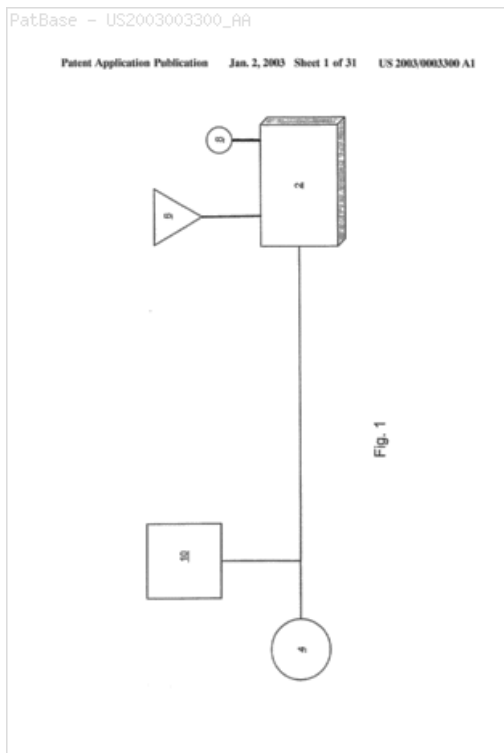
International (IPC 8-9): A61B5/00 B32B17/02 B32B27/12 B32B5/02 B32B5/16 C01B33/02 C01B33/021 C30B7/00 H01L21/208 H01L29/788 H01L33/24 H01L33/26 H01L33/34 (Advanced/Invention); B32B5/16 H01L33/08 H01L33/18 H01L51/00 (Advanced/Non-invention); A61B5/00 B32B17/02 B32B27/12 B32B5/02 B32B5/16 C01B33/00 C30B7/00 H01L21/02 H01L33/00 (Core/Invention); B32B5/16 H01L51/00 (Core/Non-invention)

International (IPC 1-7): A61B5/00 A61K B32B1/00 B32B17/02 B32B27/12 B32B5/02 B32B5/16 C07F7/22 C09K11/00 C30B29/60 C30B7/00 H01L21/20 H01L21/31 H01L21/469 H01L29/06 H01L31/02 H01L33/00 H05B33/14

CPC: Y10S977/774 Y10S977/81 Y10S977/95 Y10S977/90 H01L21/02422 H01L21/02521 H01L21/02532 H01L21/02576 H01L21/02579 H01L21/02628 H01L21/02535 H01L21/02601 H01L33/24 B82Y10/00 B82Y30/00 C30B7/00 H01L33/08 H01L33/18 H01L33/26 H01L33/34 H01L51/0595 Y10T428/24893 Y10T428/24909 Y10T428/2982 Y10T428/2991 Y10T428/2993 Y10T428/2998 H01M10/0525 A61B5/0059 C09K11/025 C09K11/59 C09K11/66 H01M4/02 H01M4/131 H01M4/485 H01M4/623 H01M4/72 H01M10/0565 H01M2004/021 Y10T428/2989 C30B29/605

European: A61B5/00P B82Y10/00 B82Y30/00 C09K11/02B C09K11/59 C09K11/66 C30B7/00 H01L21/208 H01L33/24 H01L33/26 H01L33/34 H01M10/0525 H01M4/131 H01M4/485 H01M4/62B2F T01L33/08 T01L33/18 T01L51/05D10 T01M10/0565 T01M4/02 T01M4/02C T01M4/72 Y02E60/12B

US: 257/13 257/13P 257/315 257/316 257/321 257/88 257/88S 257/E21.114 257/E21.114S 257/E33.004 257/E33.004S 257/E33.007 257/E33.012 257/E33.015 257/E33.037 257/E51.023 313/503 313/503S 313/506 422/82.08 422/82.080S 423/348 423/349 423/349P 423/350 423/618 427/212 427/213.31 427/213.32 427/213.33 427/215 427/215S 427/312 428/206 428/208 428/402 428/402.24 428/402.240S 428/402P 428/403 428/403S 428/404 428/407 428/688 428/69 428/690 428/690S 428/917 428/917S 436/172 438/758 438/758P 556/81 556/81S 600/317 600/317P 75/255 75/362 75/369 75/371 977/774 977/810 977/900 977/950



Family:

Publication number	Publication date	Application number	Application date
AU2002320252 AA	20030121	AU20020320252	20020702
US2003003300 AA	20030102	US20020109578	20020328
US2003034486 AA	20030220	US20020109608	20020328
US2005266697 AA	20051201	US20040959247	20041007
US2005267345 AA	20051201	US20050122223	20050505
US2009074649 AA	20090319	US20080156905	20080604
US6846565 BB	20050125	US20020109578	20020328
US6918946 BB	20050719	US20020109608	20020328
US7670581 BB	20100302	US20080156905	20080604
US7722953 BB	20100525	US20040959247	20041007
US8618595 BB	20131231	US20050122223	20050505
WO03003982 A2	20030116	WO2002US21076	20020702
WO03003982 A3	20030710	WO2002US21076	20020702

Priority:

US20010302594P 20010702	US20020109578 20020328	US20020109608 20020328
US20040959247 20041007	US20050122223 20050505	US20080156905 20080604
WO2002US21076 20020702		

Probable Assignee: MERCK PATENT GMBH

Assignee(s): (std): KORGEL BRIAN A ; JOHNSTON KEITH P ; BROSH KATHERINE ; UNIV TEXAS ; MERCK PATENT GMBH ; THURK PAUL

Assignee(s): BOARD OF REGENTS THE UNIVERSITY OF TEXAS SYSTEM ; BOARD OF REGENTS UNIV ; BOARD OF REGENTS UNIV OF TEXAS SYSTEM ; TEXAS SYSTEM BOARD OF REGENTS UNIV ; OF TEXAS SYSTEM BOARD OF REGENTS UNIV ; THE UNIVERSITY OF TEXAS SYSTEM BOARD OF REGENTS ; UNIV ; NATIONAL SCIENCE FOUNDATION ; BOARD OF REGENTS UNIV TEXAS SYSTEM ; BOARD OF REGENTS UNIVERSITY ; BOARD OF REGENTS UNIVERSITY OF TEXAS SYSTEM

Inventor(s): (std): THURK PAUL ; BROSH KATHERINE ; KORGEL BRIAN A ; JOHNSTON KEITH P

Inventor(s): BRIAN A KORGEL ; KEITH P JOHNSTON ; KORGEL BRIAN ; JOHNSTON KEITH

Agent(s): FOLEY AND LARDNER, SUITE 500; FOLEY AND LARDNER SUITE 500; FORTKORT AND HOUSTON PC; FOLEY AND LARDNER LLP; JOHN A

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 LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

Title: IMAGING SYSTEM FOR EXAMINING BIOLOGICAL MATERIAL

Abstract: Source: US2003227612A Improved biological material imaging systems and related methods are provided by using an imaging system for imaging biological materials, the imaging system comprising a sensor having one or more receptors, and an image transfer medium to scale the one or more receptors to an object field of view.

Classifications:

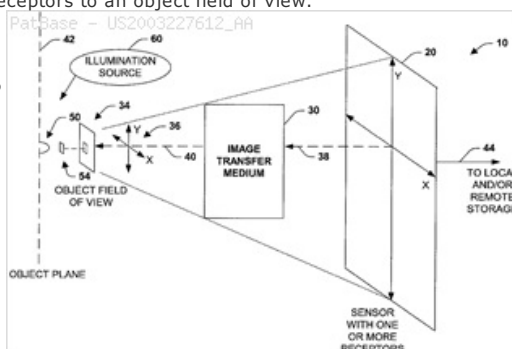
International (ipc 8-9): A61B1/06 A61B3/14 C12M1/34 G01J1/44 G01N15/02 G01N21/00 G01N21/64 G01N21/892 G01N21/956 G01N23/04 G01N33/48 G01V8/00 G02B13/16 G02B21/00 G02B21/06 G02B21/16 G02B21/36 G02B26/08 G02B27/00 G02B27/40 G02B27/46 G02B27/58 G06K9/00 G06K9/76 G06T3/00 H01J27/00 H01J3/14 H01J37/26 H01J40/14 H01J5/16 H01L27/00 H01L27/146 H04N5/225 H04N5/335 (Advanced/Invention); G02B21/00 G02B27/40 (Advanced/Non-invention); A61B1/06 C12M1/34 G01N21/64 G01N21/88 G01N33/48 G02B21/00 G02B21/06 G02B21/16 G02B21/36 G02B27/00 G02B27/40 G02B27/46 G02B27/58 G06K9/74 G06T3/00 H01L27/00 H01L27/146 H04N5/225 (Core/Invention); G02B21/00 (Core/Non-invention); G02B G06K H01L (Subclass/Invention)

International (ipc 1-7): A61B1/06 C12M1/34 G01N15/02 G01N21/00 G01N33/48 G01V8/00 G02B G02B21/00 G02B21/06 G02B21/16 G02B21/36 G02B27/00 G02B27/40 G02B27/46 G06K G06K9/76 G06T3/00 H01L H01L27/00 H04N5/225

CPC: G02B21/00 H01L27/14601 H01L27/14625 G02B27/0012 G02B21/365 G02B27/46 G02B21/0008 G02B21/02 G02B21/088 G02B21/16 G02B21/24 G06T3/0056 G06T3/00 G02B27/58 G02B21/082 G02B21/086 G02B27/0075 G01N21/9501 G01N15/1475 G01N21/6458 G01N2015/1479 G01N2015/1497 G02B21/361 G06T3/40 G06K9/00127

European: G01N21/64P4C G01N21/95A G02B21/00M1 G02B21/02 G02B21/08D G02B21/16 G02B21/24 G02B21/36D G02B21/36V G02B27/00D G02B27/46 G02B27/58 G06T3/00N G06T3/40 H01L27/146A H01L27/146A10 S01N15/14K2 S01N15/14Y S02B21/00

US: 250/208.1 250/208.100P 250/214R 250/216 250/216S 250/222.2 250/222.200S 250/234 250/580 348/207.99 348/207.990P 348/294 348/294P 348/335 348/335S 351/206 356/335 356/335P 356/337 356/337S 356/39 356/39P 359/15 359/215 359/215.1 359/326 359/326S 359/368 359/368P 359/9 382/100 382/100P 382/211 382/211P 435/288.7 435/288.700P 600/160 600/160S

**Family:**

Publication number	Publication date	Application number	Application date
AU2002322410 AA	20030121	AU20020322410	20020703
AU2002322410 BB	20080207	AU20020322410	20020703
AU2002322410 BH	20080501	AU20020322410	20020703
BRPI0210852 A	20040824	BR2002PI10852	20020703
CA2453049 AA	20040106	CA20022453049	20020703
CA2453049 C	20111025	CA20022453049	20020703
CN100477734 C	20090408	CN20028017180	20020703
CN1550039 A	20041124	CN20028017180	20020703
EP1405346 A1	20040407	EP20020756399	20020703
EP1405346 A4	20081105	EP20020756399	20020703
IL159700 A0	20040620	IL20020159700	20020703
IL159700 A1	20101230	IL20020159700	20020703
IN00158KN2004 A	20060407	IN2004KN00158	20040206
IN222889 B	20080829	IN2004KN00158	20040206
JP2005534946 T2	20051117	JP20030511312T	20020703
JP2009258746 A2	20091105	JP20090168954	20090717
KR100941062 B1	20100205	KR20047000181	20020703
KR20040031769 A	20040413	KR20047000181	20020703
MXPA04000167 A1	20050606	MX2004PA00167	20020703
NZ530988 A	20060929	NZ20020530988	20020703
US2003227612 AA	20031211	US20020166137	20020610
US2004008867 AA	20040115	US20030616829	20030710
US2004135068 AA	20040715	US20030746622	20031224
US2004159772 AA	20040819	US20040758739	20040116
US2004159773 AA	20040819	US20040758836	20040116
US2004165778 AA	20040826	US20040758837	20040116
US2004188595 AA	20040930	US20030403744	20030331
US2004227822 AA	20041118	US20040874053	20040622
US2004246479 AA	20041209	US20040758579	20040115
US2005001144 AA	20050106	US20040846429	20040514
US2005023439 AA	20050203	US20040924553	20040824
US2005024720 AA	20050203	US20040924690	20040824
US2005277186 AA	20051215	US20050041830	20050124
US2006000965 AA	20060105	US20050218250	20050901
US2006192081 AA	20060831	US20060380468	20060427
US2007139541 AA	20070621	US20060556336	20061103
US6664528 BA	20031216	US20010900218	20010706
US6872930 BB	20050329	US20030403744	20030331
US6884983 BB	20050426	US20020166137	20020610
US6903323 BB	20050607	US20030746622	20031224
US6998596 BB	20060214	US20050041830	20050124
US7105795 BB	20060912	US20040924553	20040824
US7109464 BB	20060919	US20040758837	20040116
US7122776 BB	20061017	US20050218250	20050901
US7132636 BA	20061107	US20020189326	20020702
US7151246 BB	20061219	US20040758836	20040116

US7248716 BB	20070724	US20030616829	20030710
US7288751 BB	20071030	US20040846429	20040514
US7338168 BB	20080304	US20040758579	20040115
US7385168 BB	20080610	US20040924690	20040824
US7439478 BB	20081021	US20040758739	20040116
US7601938 BB	20091013	US20060380468	20060427
US7692131 BB	20100406	US20060556336	20061103
US7863552 BB	20110104	US20040874053	20040622
WO03005446 A1	20030116	WO2002US21392	20020703
ZA200400961 A	20050207	ZA20040000961	20040205

Priority:

JP20030511312	20020703	US20010900218	20010706	US20020000000	20020702
US20020166137	20020610	US20040758837	20040116	US20040758579	20040115
US20040758836	20040116	US20030403744	20030331	US20030746622	20031224
US20040758739	20040116	US20030616829	20030710	US20020189326	20020702
US20060380468	20060427	WO2002US21392	20040106	US20060556336	20061103
US20040874053	20040622	US20040846429	20040514	US20040924553	20040824
US20040924690	20040824	US20050218250	20050901	US20050041830	20050124
WO2002US21392	20020703				

Probable Assignee: PIXEL MATCHED HOLDINGS LLC

Assignee(s): (std): AMIN HIMANSHU S ; AMIN HIMANSU S ; ANGKOR TECHNOLOGY LLP ; BORTNICK DANIEL B ; FEIN HOWARD ; CARTLIDGE ANDREW G ; HIMANSHU S AMIN ; DANIEL B BORTNICK ; GREGORY TUROCY ; HIMANSHU S AMIN DANIEL B BORTN ; HIMANSHU S ; HIMANSHU AMIN ; DANIEL BORTNICK ; PALANTYR RES LLC ; TUROCY GREGORY ; PALANTYR RESEARCH LLC ; PALANTYR RES INC ; PALANTYR RES LLC AMIN HIMANSHU

Assignee(s): PALANTYR RES LLC AMIN HIMANSHU S BORTNICK DANIELB TUROCY GREGORY ANGKOR TECHNOLOGY LLP ; PALANTYR RESEARCH LLC ; AMIN HIMANSHU S ; BORTNICK DANIEL B ; TUROCY GREGORY ; ANGKOR TECHNOLOGY LLP ; PIXEL MATCHED HOLDINGS LLC ; PALANTYR RESEARCH INC ; HIMANSHU S AMIN DANIEL B BORTNICK GREGORY TUROCY ANGKOR TECHNOLOGY LLP ; GREGORY TUROCY ET AL ; DANIEL B BORTNCK ; HIMANSHU S AMIN DANIEL B BORTNICK GREGORY ; HIMANSHU S AMIN DANIEL B BORTNICK GREGORY TUROCY A ; BORTNICK DANIEL ; AMIN HIMANSHU ; AMIN HIMANSHU A ; AMIN HUMANSU S ; ANGKOR TECHNOLOGIES LLP

Inventor(s): (std): CARTLIDGE ANDREW G ; FEIN HOWARD ; TUROCY GREGORY ; BORTNICK DANIEL B ; AMIN HIMANSHU S ; HOWARD FEIN

Inventor(s): ANDREW G CARTLIDGE ; HIMANSHU S AMIN ; GREGORY TUROCY ; DANIEL B BORTNICK ; CARTLIDGE ANDREW ; BORTNICK DANIEL

Agent(s): GRIFFITH HACK; BLAKE CASSELS AND GRAYDON LLP; WOLFF BREGMAN AND GOLLER; AMIN AND TUROCY LLP; DAN MCLAREN; AMIN TUROCY AND CALVIN LLP; TUROCY AND WATSON LLP

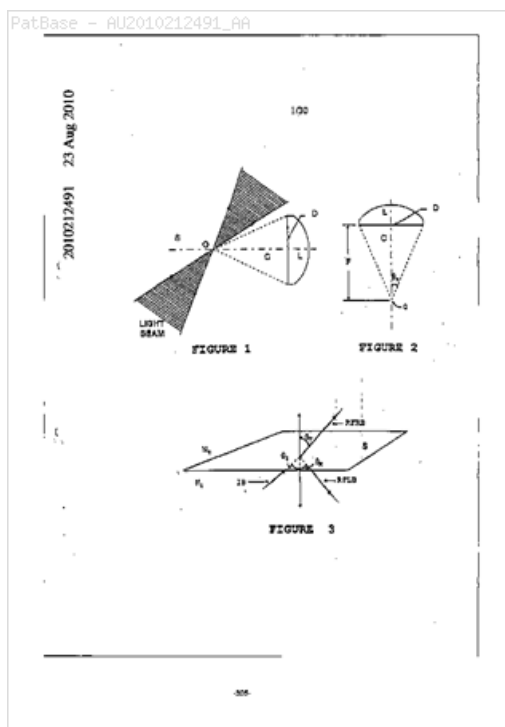
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI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

Title: Analyte Assay Using Particulate Labels

Abstract: Source: AU2003203804A Analyte Assay Using Particulate Labels Abstract Method for specific detection of one or more analytes in a sample. The method includes specifically associating any one or more analytes in the sample with a scattered- light detectable particle, illuminating any particle associated with the analytes with light under conditions which produce scattered light from the particle and in which light scattered from one or more particles can be detected by a human eye with less than 500 times magnification and without electronic amplification. The method also includes detecting the light scattered by any such particles under those conditions as a measure of the presence of the analytes. R\T TRFFA8 O57 do-NNq

Classifications:

International (IPC 8-9): C07H19/00 C12P19/34 C12Q1/00 G01N33/53 (Advanced/Invention); C07H19/00 C12P19/00 C12Q1/00 G01N33/53 (Core/Invention)
CPC: G01N33/54313
European: G01N33/543D



Family:

Publication number	Publication date	Application number	Application date
AU2003203804 AA	20030612	AU20030203804	20030417
AU2007200887 AA	20070503	AU20070200887	20070228
AU2010212491 AA	20100923	AU20100212491	20100823

Priority:

AU19990012943 19981016 AU20030203804 20030417 AU20070200887 20070228
AU20100212491 20100823 US19970953713 19971017

Probable Assignee: GENICON SCIENCES CORP

Assignee(s): (std): GENICON SCIENCES CORP ; UNIV CALIFORNIA

Assignee(s): UNIV OF CALIFORNIA ; THE UNIV OF CALIFORNIA

Inventor(s): (std): JACKSON JEFFREY ; KOHNE DAVID ; YGUERABIDE EVANGELINA ; YGUERABIDE JUAN

Inventor(s): YGUERABIDE YUAN ; YGUERABIDE EVANGELINA E ; KOHNE DAVID E ; DAVID KOHNE ; EVANGELINA YGUERABIDE ; JACKSON JEFFREY T ; JEFFREY JACKSON ; JUAN YGUERABIDE

Agent(s): SPRUSON AND FERGUSON; WRAYS

Title: NOVEL COMPOUNDS AND USES THEREOF

Abstract: Source: US2004143001A A compound of formula I: wherein X₁, X₂, X₃, X₄, Y₁, Y₂, Y₃, Y₄ and Z have meanings given in the description, and metallated forms of such compounds, which are useful in the treatment of medical conditions for which a photodynamic compound is indicated. Pharmaceutical formulations and methods of treatment of a medical condition for which a photodynamic agent is indicated are also disclosed. Sterilising solutions comprising a compound of the invention, and the use thereof, are also disclosed.

Classifications:

International (IPC 8-9): A61K31/409 A61K31/555 A61K31/714 A61P11/00 A61P17/02 A61P19/02 A61P29/00 A61P31/00 A61P31/04 A61P31/10 A61P31/12 A61P31/18 A61P31/22 A61P33/02 A61P33/04 A61P33/06 A61P33/10 A61P33/12 C07B47/00 C07D487/00 C07D487/22 (Advanced/Invention);

A61P19/00 A61P31/00 A61P33/00 C07D487/00 (Core/Invention)

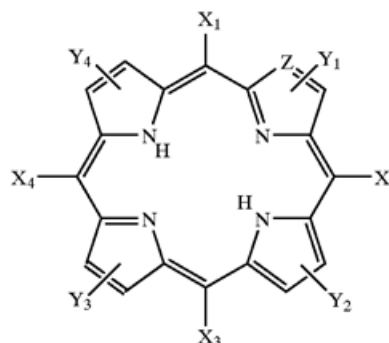
International (IPC 1-7): A61K31/409 A61P19/02 A61P31/04 A61P31/10 A61P31/12 A61P31/18 A61P31/22 A61P33/02 A61P33/04 A61P33/06 A61P33/10 A61P33/12 C07D487/00 C07D487/22 C09B47/00

CPC: C07D487/22

European: C07D487/22

US: 424/9.362 424/9.61 514/185 514/185P 514/410 514/410S 534/15 540/145 540/145S

PatBase - US2004143001_AA



Family:

Publication number	Publication date	Application number	Application date
AU2003295157 AA	20040714	AU20030295157	20031223
AU2003295157 AH	20040714	AU20030295157	20031223
AU2003295157 BB	20101028	AU20030295157	20031223
AU2003295157 BH	20101202	AU20030295157	20031223
CA2527155 AA	20050622	CA20032527155	20031223
CA2527155 C	20110621	CA20032527155	20031223
CN100360536 C	20080109	CN200380109937	20031223
CN101200468 A	20080618	CN200710186678	20031223
CN101200468 B	20120613	CN200710186678	20031223
CN1753896 A	20060329	CN200380109937	20031223
CY1107882 T1	20130619	CY20081100157T	20080211
DE60317711 D1	20080103	DE20036017711	20031223
DE60317711 T2	20081030	DE20036017711T	20031223
DK1578750 T3	20080317	DK20030786158T	20031223
EP1578750 A2	20050928	EP20030786158	20031223
EP1578750 B1	20071121	EP20030786158	20031223
EP1897883 A2	20080312	EP20070075885	20031223
EP1897883 A3	20080326	EP20070075885	20031223
ES2301864 T3	20080701	ES20030786158T	20031223
GB200229742 A0	20030129	GB20020029742	20021223
GB2397067 A1	20040714	GB20020029742	20021223
GB2397067 B2	20050511	GB20020029742	20021223
IN02782DN2005 A	20070202	IN2005DN02782	20050622
IN224376 B	20081031	IN2005DN02782	20050622
JP2006515296 T2	20060525	JP20040561687T	20031223
JP2011116766 A2	20110616	JP20110037116	20110223
JP4786182 B2	20111005	JP20040561687T	20031223
NZ540918 A	20080530	NZ20030540918	20031223
PT1578750 T	20080222	PT20030786158T	20031223
SI1578750 T1	20080430	SI20030031111T	20031223
US2004143001 AA	20040722	US20030744863	20031223
US2007281915 AA	20071206	US20060562183	20061121
US7244841 BB	20070717	US20030744863	20031223
US8084602 BB	20111227	US20060562183	20061121
WO04056828 A2	20040708	WO2003GB05649	20031223
WO04056828 A3	20040819	WO2003GB05649	20031223

Priority:

EP20030786158 20031223 GB20020029742 20021223 WO2003GB05649 20031223
 US20060562183 20061121 US20030744863 20031223 JP20040561687 20031223

Probable Assignee: DESTINY PHARMA LTD

Assignee(s): (std): DESTINY PHARMA LTD ; FENG XIANG DONG ; LOVE WILLIAM ; SOLVIAS AG ; PUGIN BENOIT ; RHYS WILLIAMS WILLIAM ; BRUNDISH DEREK

Assignee(s): DESTINY PHARMA ; DESTINY PHARMA LIMITED ; SOLVIAS AG LTD

Inventor(s): (std): BENOIT PUGIN ; BRUNDISH DEREK ; BRUNDISH DEREK EDWARD ; DEREK BRUNDISH ; DONG FENG XIANG ; FENG XIANG D ; FENG XIANG DONG ; FENG XIANGDONG ; LOVE WILLIAM ; PUGIN BENOIT ; RHYS WILLIAMS WILLIAM ; WILLIAM BRUNDISH DEREK FENG XI ; WILLIAM LOVE ; WILLIAM RHYS WILLIAMS ; XIANGDONG FENG

Inventor(s): BRUNDISH DEREK FENG XIANG DONG PUGIN BENOIT... ; XIANG DONG FENG ; FENG XIANG ; DEREK EDWARD BRUNDISH

Agent(s): GRIFFITH HACK; BERESKIN AND PARR LLP SENCRL SRL; SMITH STEPHEN EDWARD; PATREA L PABST PABST PATENT GROUP LLP; PABST PATENT GROUP LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG 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 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 NI NL NO NZ OM PG
PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA
ZM ZW

Title: SENSITIVE AND RAPID DETERMINATION OF ANTIMICROBIAL SUSCEPTIBILITY

Abstract: Source: US2005048599A The present invention relates to moving microorganisms to a surface, where they are grown in the presence and absence of antimicrobials, and by monitoring the growth of the microorganisms over time in the two conditions, their susceptibility to the antimicrobials can be determined. The microorganisms can be moved to the surface through electrophoresis, centrifugation or filtration. When the movement involves electrophoresis, the presence of oxidizing and reducing reagents lowers the voltage at which electrophoretic force can be generated and allows a broader range of means by which the target can be detected. Monitoring can comprise optical detection, and most conveniently includes the detection of individual microorganisms. The microorganisms can be stained in order to give information about their response to antimicrobials.

Classifications:

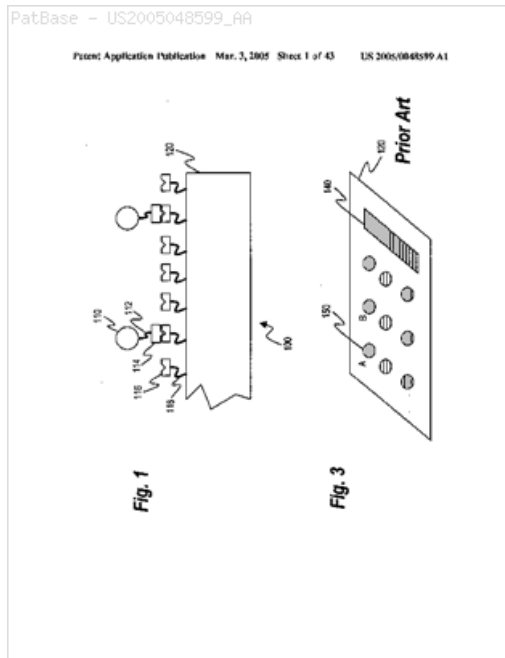
International (ipc 8-9): B82Y10/00 B82Y20/00 B82Y5/00 C12M1/34 C12Q1/00 C12Q1/02 C12Q1/04 C12Q1/06 C12Q1/18 C12Q1/68 G01N1/28 G01N1/38 G01N1/40 G01N21/27 G01N21/64 G01N21/77 G01N27/30 G01N27/416 G01N27/447 G01N27/453 G01N27/60 G01N27/74 G01N33/15 G01N33/48 G01N33/50 G01N33/52 G01N33/53 G01N33/543 G01N33/554 G01N33/561 G01N33/569 G06F19/10 (Advanced/Invention); C40B30/06 (Advanced/Non-invention); C12Q1/02 C12Q1/04 G01N27/416 G01N27/447 G01N27/453 G01N33/15 G01N33/50 G01N33/53 G01N33/554 G01N33/569 (Core/Invention)

International (ipc 1-7): A61B1/00 C12M1/34 C12Q1/04

CPC: G01N33/569 G01N33/54366 G06F19/10 C12Q1/18 C12Q1/04 B82Y5/00 B82Y10/00 B82Y20/00 G01N33/5438 G01N33/561

European: B82Y10/00 B82Y20/00 B82Y5/00 C12Q1/04 C12Q1/18 G01N33/543K G01N33/543K2B G01N33/561 G01N33/569

US: 435/287.1 435/287.100S 435/288.7 435/29 435/29S 435/32 435/32S 435/34 435/34P 435/34S 435/6 435/6.11 435/6.110P 435/6P 435/7.1 435/7.100P 435/7.2 435/7.200P 435/7.22 435/7.220P 435/7.31 435/7.32 435/7.320S 435/7.33 435/7.34 435/7.37 435/72 506/10 506/39 506/9 702/19

**Family:**

Publication number	Publication date	Application number	Application date
AU2004273783 AA	20050331	AU20040273783	20040708
AU2005316267 AA	20060622	AU20050316267	20051216
AU2005316267 BB	20121108	AU20050316267	20051216
AU2010201140 AA	20100415	AU20100201140	20100323
AU2010201140 BB	20121101	AU20100201140	20100323
AU2012241186 AA	20121108	AU20120241186	20121017
CA2532414 AA	20060112	CA20042532414	20040708
CA2532414 C	20170314	CA20042532414	20040708
CA2589976 AA	20070605	CA20052589976	20051216
CA2956645 AA	20050331	CA20042956645	20040708
EP1648286 A2	20060426	EP20040809482	20040708
EP1648286 A4	20071212	EP20040809482	20040708
EP1648286 B1	20171220	EP20040809482	20040708
EP1831692 A2	20070912	EP20050854636	20051216
EP1831692 A4	20130313	EP20050854636	20051216
EP1831692 B1	20170315	EP20050854636	20051216
ES2624685 T3	20170717	ES20050854636T	20051216
JP2007531863 T2	20071108	JP20060520235T	20040708
JP2008523820 T2	20080710	JP20070547005T	20051216
JP4773348 B2	20110914	JP20060520235T	20040708
US2005048599 AA	20050303	US20040888828	20040708
US2007037225 AA	20070215	US20050303803	20051216
US2008241858 AA	20081002	US20080021087	20080128
US2010136570 AA	20100603	US20100702210	20100208
US2012077206 AA	20120329	US20110311100	20111205
US2013217063 AA	20130822	US20130843460	20130315
US2014323340 AA	20141030	US20140329387	20140711
US2014363823 AA	20141211	US20130763446	20130208
US7341841 BB	20080311	US20050303803	20051216
US7687239 BB	20100330	US20040888828	20040708
US8071319 BB	20111206	US20080021087	20080128
US8460887 BB	20130611	US20100702210	20100208
US8895255 BA	20141125	US20130763446	20130208
US9657327 BB	20170523	US20130843460	20130315
US9841422 BB	20171212	US20140329387	20140711
WO05027714 A2	20050331	WO2004US22025	20040708
WO05027714 A3	20060921	WO2004US22025	20040708
WO06066216 A2	20060622	WO2005US45961	20051216
WO06066216 A3	20071206	WO2005US45961	20051216

Priority:

AU20040273783	20040708	AU20100201140	20100323	AU20120241186	20121017
CA20042532414	20040708	CA20172532414	20170224	EP20050854636	20051216
US20080021087	20080128	US20100702210	20100208	US20050303803	20051216
US20040888828	20040708	US20030486605P	20030712	US20040571479P	20040513
US20040637423P	20041216	US20040638989P	20041222	WO2004US22025	20040708
US20110311100	20111205	WO2005US45961	20051216	US20130843460	20130315
US20140329387	20140711	US20130763446	20130208		

Probable Assignee: ACCELERATE DIAGNOSTICS INC

Assignee(s): (std): ACCELERATE DIAGNOSTICS INC ; ACCELRS TECH CORP ; ACCELRS TECHNOLOGY CORP ; GOLDBERG DAVID A ; HOWSON DAVID C ; METZGER STEVEN W ; BUTTRY DANIEL A ; SAAVEDRA STEVEN SCOTT ; DANIEL BUTTRY

Assignee(s): ACCELRS TECHNOLOGY CORP

Inventor(s): (std): GOLDBERG DAVID ; GOLDBERG DAVID A ; HOWSON DAVID C ; METZGER STEVEN W ; SAAVEDRA STEVEN SCOTT ; SAAVEDRA STEVEN S ; METZGER STEVEN ; HOWSON DAVID ; BUTTRY DANIEL ; BUTTRY DANIEL A

Inventor(s): DAVID A GOLDBERG ; DAVID C HOWSON ; DANIEL A BUTTRY ; SAAVEDRA STEVEN ; STEVEN SCOTT SAAVEDRA ; STEVEN W METZGER ; STEVEN S SAAVEDRA

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; BORDEN LADNER GERVAIS LLP; ARENDS WILLIAM GERRIT; VALLEJO JUAN PEDRO; SHERIDAN ROSS PC; ROBIN M SILVA DORSEY AND WHITNEY LLP; DORSEY AND WHITNEY LLP INTELLECTUAL PROPERTY DEPARTMENT; DORSEY AND WHITNEY LLP; SNELL AND WILMER L L P; SNELL AND WILMER LLP; KLARQUIST SPARKMAN LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG 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 GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Assignee(s): (std): INGURAN LLC ; MONSANTO TECHNOLOGY LLC

Inventor(s): (std): NIRAJ V NAYAK ; NIRAJ NAYAK ; NAYAK NIRAJ V ; NAYAK NIRAJ ; MUHAMMAD ANZAR ; LUDWIG CINDY L ; LUDWIG CINDY ; LON WESTFALL ; WESTFALL LON A ; WESTFALL LON ; WALLACE JEFFREY D ; WALLACE JEFFREY ; VANDRE GARY P ; VANDRE GARY ; LON A WESTFALL ; KATHLEEN S CROWLEY ; KATHLEEN CROWLEY ; JEFFERY D WALLACE ; HELBLING DAVID R ; HELBLING DAVID ; HELBING DAVID R ; HATCHER JEREMY T ; HATCHER JEREMY ; GRAHAM JEFFREY A ; GRAHAM JEFFREY ; GARY VANDRE ; JEREMY T HATCHER ; JEREMY HATCHER ; JEFFREY WALLACE ; JEFFREY GRAHAM ; JEFFREY A GRAHAM ; GARY P VANDRE ; GARY DURACK ; DURACK GARY ; DIDION DURACK GARY HATCHER JER ; DIDION BRADLEY ; DAVID HELBLING ; CROWLEY KATHLEEN S ; CROWLEY KATHLEEN ; CINDY LUDWIG ; DAVID R HELBLING ; CINDY L LUDWIG ; BRADLEY DIDION ; ANZAR MUHAMMAD

Inventor(s): DAVID R HELBING ; CINDY LLUDWIG ; DAVID RHELBLING ; DURACK GARY HATCHER JEREMY T ; JEFFERY DWALLACE ; JEFFREY D WALLACE ; GARY PVANDRE ; JEREMY THATCHER ; KATHLEEN SCROWLEY ; NIRAJ VNAYAK ; LON AWESTFALL

Agent(s): EF WELLINGTON AND CO; E F WELLINGTON AND CO; HOULIHAN² PTY LTD

Title: CONTROLLED INITIATION OF PRIMER EXTENSION

Abstract: Source: US2008009007A Controlled initiation of primer extension in determination of nucleic acid sequence information by incorporation of nucleotides or nucleotide analogs. Preferred aspects include photo-initiated extension through the use of photo-cleavable blocking, groups on termini of primer sequences followed by non-terminating primer extension using nucleotides or nucleotide analogs that are not extension terminators.

Classifications:

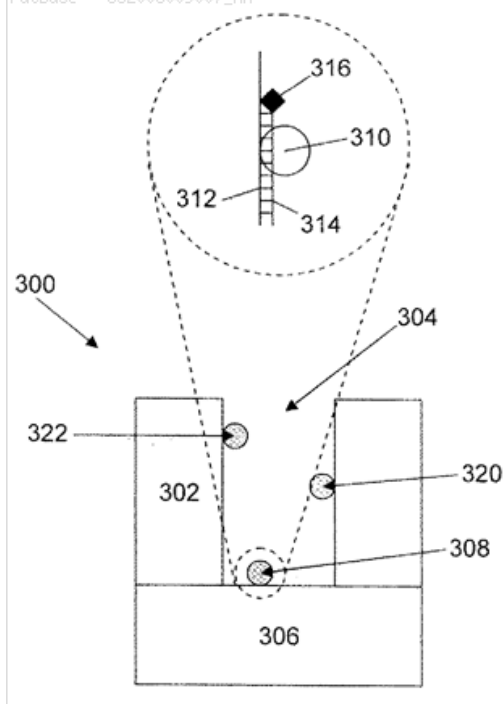
International (IPC 8-9): C12P19/34 C12Q1/68 (Advanced/Invention); C12Q1/68 (Core/Invention)

CPC: C12Q1/6874

European: C12Q1/68E4

US: 435/6 435/6.11 435/6.110P 435/6.12 435/6.120S 435/6P

PatBase - US2008009007_AA



Family:

Publication number	Publication date	Application number	Application date
AU2007260707 AA	20071221	AU20070260707	20070615
CA2655018 AA	20081210	CA20072655018	20070615
EP2029780 A2	20090304	EP20070798630	20070615
EP2029780 A4	20100331	EP20070798630	20070615
US2008009007 AA	20080110	US20070763746	20070615
WO07147110 A2	20071221	WO2007US71327	20070615
WO07147110 A3	20081127	WO2007US71327	20070615

Priority:

US20060814433P 20060616 US20070763746 20070615 WO2007US71327 20070615

Probable Assignee: PACIFIC BIOSCIENCES OF CALIFORNIA INC

Assignee(s): (std): LYLE JOHN ; PACIFIC BIOSCIENCES CALIFORNIA ; PELUSO PAUL ; SHEN GENE

Assignee(s): PACIFIC BIOSCIENCES OF CALIFORNIA INC

Inventor(s): (std): LYLE JOHN ; PELUSO PAUL ; SHEN GENE

Inventor(s): PAUL PELUSO ; GENE SHEN ; JOHN LYLE

Agent(s): ALLENS ARTHUR ROBINSON PATENT AND TRADE MARKS ATTORNEYS; ALLENS PATENT AND TRADE MARK ATTORNEYS; GOWLING LAFLEUR HENDERSON LLP; ONEILL MICHELLE; MORGAN LEWIS AND BOCKIUS LLP

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 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 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: USE OF A PENTACYCLIC TRITERPENE IN A PHARMACEUTICAL COMPOSITION FOR THE TREATMENT OF MULTIPLE SCLEROSIS

Abstract: Source: US2011054025A Oleanolic acid (3 beta -hydroxyolean-12-en-28-oic acid) is a pentacyclic triterpene occurring in a large number of medicinal plants. The present invention is directed to the pharmacological application of the oleanolic acid, alone or in combination with other substances, in the treatment or prophylaxis of neurodegenerative diseases such as multiple sclerosis. The inventors have found that oleanolic acid, intraperitoneally administered once daily, reduces significantly the immuno-inflammatory and neurological symptoms associated with the experimental autoimmune encephalomyelitis, an experimental model of multiple sclerosis, delaying the onset and reducing the progression of the disease.

Classifications:

International (IPC 8-9): A61K31/047 A61K31/19 A61K31/56

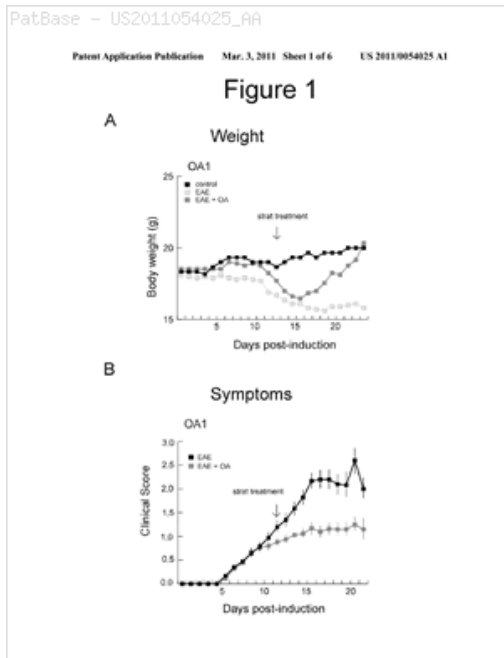
A61K45/06 A61P25/28 (Advanced/Invention);

A61K31/56 A61P25/00 (Core/Invention)

CPC: A61K31/56 A61K45/06

European: A61K31/56

US: 514/557 514/729 514/729S



Family:

Publication number	Publication date	Application number	Application date
DE602009037753 D1	20160525	DE200960037753T	20090212
EP2260851 A1	20101215	EP20090724203	20090212
EP2260851 A4	20120314	EP20090724203	20090212
EP2260851 B1	20160413	EP20090724203	20090212
ES2326065 AA	20090929	ES20080000873	20080328
ES2326065 BA	20100708	ES20080000873	20080328
ES2586454 T3	20161014	ES20090724203T	20090212
US2011054025 AA	20110303	US20090935233	20090212
WO09118441 A1	20091001	WO2009ES70024	20090212

Priority:

EP20090724203 20090212 ES20080000873 20080328 WO2009ES70024 20090212

Probable Assignee: CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS

Assignee(s): (std): CARVALHO TAVARES JULIANA ; CONSEJO SUPERIOR DE INVESTIG CIENTIFICAS ; CONSEJO SUPERIOR INVESTIGACION ; NIETO CALLEJO MARIA LUISA ; MARTIN MONTANA RUBEN ; RUIZ GUTIERREZ VALENTINA

Assignee(s): CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS ; CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS CSIC

Inventor(s): (std): CARVALHO TAVARES JULIANA ; MARTIN MONTANA RUBEN ; NIETO CALLEJO MARIA LUISA ; RUIZ GUTIERREZ VALENTINA

Inventor(s): VALENTINA RUIZ GUTIERREZ ; RUBEN MARTIN MONTANA ; MARIA LUISA NIETO CALLEJO ; JULIANA CARVALHO TAVARES

Agent(s): PONS ARINO ANGEL; PONS ANGEL

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 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 ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: APPARATUS AND METHODS FOR ANALYSING FLUORESCENT PARTICLES

Abstract: Source: US2012045757A According to an embodiment of the invention, an apparatus to detect fluorescence from a sample is disclosed. The apparatus comprises a sample plane onto which the sample is arranged, an excitation light unit including at least a light source to illuminate the sample, and a detection unit comprising at least a detector having at least 100,000 active detection elements to detect a fluorescence signal from the sample.

Classifications:

International (IPC 8-9): C12M1/34 C12N15/00 C12Q1/02 C12Q1/68 G01N1/10 G01N1/30 G01N21/64 G01N33/50 G01N33/58 G02B21/06 G02B27/09 (Advanced/Invention); G01N21/64 (Advanced/Non-invention); C12N15/00 G01N1/30 G01N21/64 G01N33/50 G01N33/58 G02B21/06 G02B27/09 (Core/Invention)

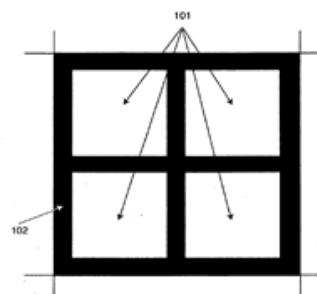
CPC: G01N2021/6419 G01N2021/6421 G01N2021/6441 G01N2021/6478 G01N2201/0631 G02B27/0905 G02B27/0961 G01N21/64 G01N21/6458

European: G01N21/64P4C G02B27/09A G02B27/09S2L1 S01N201/063B S01N21/64G2 S01N21/64G3 S01N21/64H7A S01N21/64P6L

US: 250/206 250/458.1 250/459.1 356/246 435/287.2 435/287.200S 435/288.7 435/288.700S 435/29 435/29S 435/6.1 435/6.100S 435/6.11 435/6.110P 435/7.1 435/7.100S

PatBase - US2012045757_AA

Patent Application Publication Feb. 23, 2012 Sheet 1 of 27 US 2012/0045757 A1



A

Figure 1

Family:

Publication number	Publication date	Application number	Application date
AU2009306820 AA	20100429	AU20090306820	20091021
AU2009306820 BB	20160929	AU20090306820	20091021
CA2741105 AA	20110419	CA20092741105	20091021
CN102257379 A	20111123	CN200980151834	20091021
CN102257379 B	20160113	CN200980151834	20091021
EP2350617 A2	20110803	EP20090744320	20091021
IN03776DN2011 A	20120427	IN2011DN03776	20110519
US2012045757 AA	20120223	US20090123560	20091021
US2015053872 AA	20150226	US20140473020	20140829
US8860938 BB	20141014	US20090123560	20091021
WO10045949 A2	20100429	WO2009DK50278	20091021
WO10045949 A3	20100701	WO2009DK50278	20091021

Priority:

DK20080001464 20081021 US20110123560 20111104 WO2009DK50278 20091021
US20140473020 20140829

Probable Assignee: CHEMOMETEC A S

Assignee(s): (std): CHEMOMETEC AS ; GLENSBJERG MARTIN ; KJAERULFF SOEREN ; SKINDERSOE METTE ELENA ; RAVN FRANS ; SOERENSEN HELLE FROBOESE ; RAVN FRANS EJNER ; SKINDERSOE METTE ELENA ; SOERENSEN HELLE FROBOESE ; KJAERULFF SOREN

Assignee(s): CHEMOMETEC A S ; CHEMOMETEC A SGYDEVANG 43DK-3450ALLERODDK

Inventor(s): (std): ELENA SKINDERSOE METTE ; FRANS RAVN ; FROBOESE SOERENSEN HELLE ; GLENSBJERG MARTIN ; KJAERULFF SOEREN ; KJAERULFF SOREN ; MARTIN GLENSBJERG ; RAVN FRANS ; SKINDERSOE METTE ELENA ; SKINDERSOE METTE ELENA ; SOEREN KJAERULFF ; SOERENSEN HELLE FROBOESE ; SOERENSEN HELLE FROBOESE ; RAVN FRANS EJNER

Inventor(s): SOERENSEN HELLE FROBOESDK ; SOREN KJAERULFF ; SKINDERSOE METTE ELENADK ; RAVN FRANS DK ; METTE ELENA SKINDERSO ; KJAERULFF SORENDK ; GLENSBJERG MARTINDK ; HELLE FROBOESE SOERENSEN

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GOWLING LAFLEUR HENDERSON LLP; HANSEN LENE; GIFFORD KRASS SPRINKLE ANDERSON AND CITKOWSKI PC; HOEIBERG A S

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 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 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 PE 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

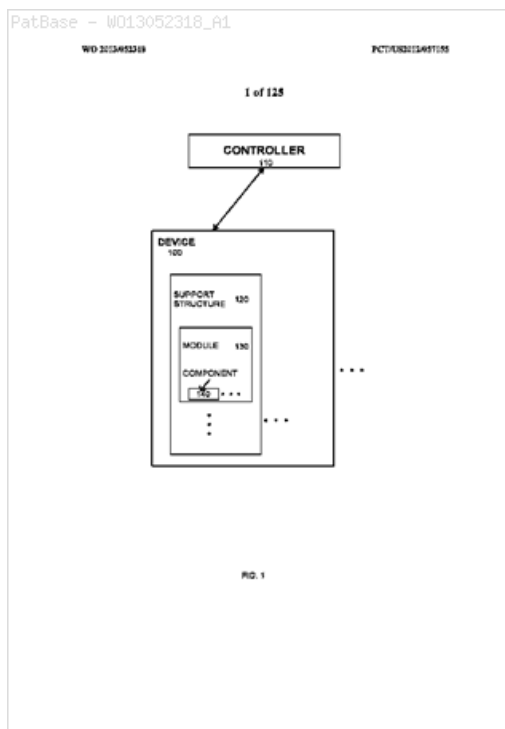
Title: SYSTEMS AND METHODS FOR MULTI-ANALYSIS

Abstract: Systems and methods are provided for sample processing. A device may be provided, capable of receiving the sample, and performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing multiple assays. The device may comprise one or more modules that may be capable of performing one or more of a sample preparation, sample assay, and detection step. The device may be capable of performing the steps using a small volume of sample.

Classifications:

International (IPC 8-9): A61B5/00 A61B6/00 B04B7/00 C12M C12M1/00 C12M1/34 C12Q1/00 G01N1/28 G01N33/50 G01N35/00 G01N35/10 G02B26/00 G02F1/00 (Advanced/Invention); B01L3/00 (Advanced/Non-invention); G01N35/00 (Core/Invention); A61B C12M G01N (Subclass/Invention)

CPC: G01N35/1065 G01N35/00 G01N2035/00326



Family:

Publication number	Publication date	Application number	Application date
AU2012318963 AA	20130411	AU20120318963	20120925
AU2012318963 BB	20160211	AU20120318963	20120925
BR112014007073 A2	20170411	BR20141107073	20120925
CA2849104 AA	20130411	CA20122849104	20120925
CN103946364 A	20140723	CN201280057640	20120925
EP2758510 A1	20140730	EP20120838242	20120925
EP2758510 A4	20150506	EP20120838242	20120925
HK1200186 A1	20150731	HK20150100659	20150121
IL231639 A0	20140528	IL20140231639	20140320
JP2014530358 T2	20141117	JP20140532098T	20120925
KR20140082756 A	20140702	KR20147011324	20120925
MX2014002991 A1	20140730	MX20140002991	20120925
MX344792 B	20170106	MX20140002991	20120925
NZ622186 A	20160226	NZ20120622186	20120925
RU2014109864 A	20151027	RU20140109864	20120925
RU2627927 C2	20170814	RU20140109864	20120925
SG11201400832S A1	20140428	SG20141100832	20120925
WO13052318 A1	20130411	WO2012US57155	20120925

Priority:

US20110244836 20110926 US20110244946 20110926 WO2011US53188 20110925
WO2011US53189 20110925 US20110244947 20110926 WO2012US57155 20120925

Probable Assignee: THERANOS INC

Assignee(s): (std): BALWANI SUNNY ; FRANKOVICH JOHN KENT ; HOLMES ELIZABETH ; FRENZEL GARY ; ROY JOY ; THERANOS INK ; THERANOS INC

Inventor(s): (std): BALVONI SANNI ; BALWANI SUNNY ; BALWANI SUNNY S ; ELIZABETH HOLMES ; FRANKOVICH DZHON KENT ; FRANKOVICH JOHN KENT ; FRANKOVICH JOHN KENT JK ; FRENZEL GARY ; FRENZEL GARY G ; FRENZEL GERI ; GARY FRENZEL ; HOLMES ELIZABETH ; HOLMES ELIZABETH E ; JHON KENT FRANKOVICH ; JOY ROY ; KHOLMS ELIZABET ; ROJ DZHOJ ; ROY JOY ; ROY JOY J ; SUNNY BALWANI

Agent(s): SPRUSON AND FERGUSON; GOWLING LAFLEUR HENDERSON LLP; COLE WILLIAM GWYN; KIM ELAINE A ET AL

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 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 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

Abstract: Source: IN01262DN2010A In a flow cytometry system for sorting a mixture of particles including particles having a characteristic A and particles having a characteristic B, said system comprising a fluid delivery system for delivering a fluid containing said particles, a flow cytometry apparatus for receiving said fluid, forming it into a stream and using flow cytometry to classify the particles according to said characteristics, and a sorting system for sorting the particles according to said classification and according to a sorting strategy to provide at least one population containing desired particles, the improvement comprising: a control responsive to information received from the flow cytometry apparatus for controlling the sorting system to vary its sorting strategy or for controlling the fluid delivery system to vary the rate at which fluid is delivered as a function of at least one of the following: (1) the purity of said at least one population with respect to either characteristic A particles or characteristic B particles; and (2) the quantity of characteristic A particles or characteristic B particles h said at least one population relative to the total quantity of characteristic A particles or characteristic B particles in said stream.

International (IPC 8-9): B01L (Advanced/Invention)



Publication number	Publication date	Application number	Application date
IN01262DN2010 A	20130913	IN2010DN01262	20100223

IN2005DN03937 20050902 US20030458607P 20030328 WO2004US09646 20040329

Assignee(s): INGURAN LLC

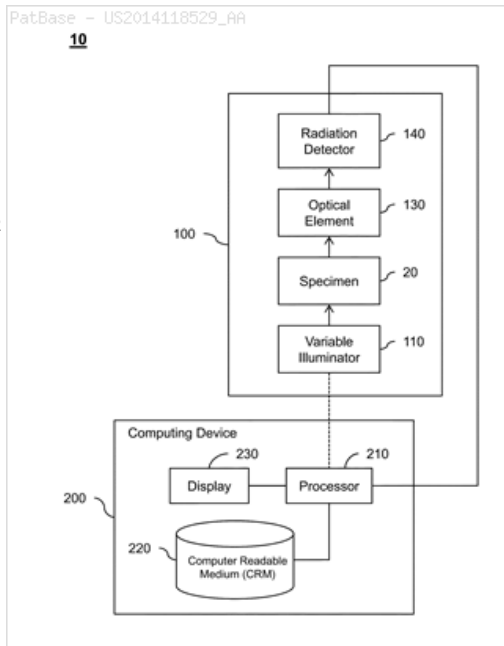
Inventor(s): CINDY L LUDWIG ; DAVID R HELBLING ; GARY DURACK ; GARY P VANDRE ; JEFFREY A GRAHAM ; JEFFREY D WALLACE ; JEREMY T HATCHER ; KATHLEEN S CROWLEY ; LON A WESTFALL ; MUHAMMAD ANZAR ; NIRAJ V NAYAK ; RADLEY DIDION

Title: FOURIER PTYCHOGRAPHIC IMAGING SYSTEMS, DEVICES, AND METHODS

Abstract: Source: US2014118529A Systems, devices, and methods of Fourier ptychographic imaging by computationally reconstructing a high-resolution image by iteratively updating overlapping regions of variably-illuminated, low-resolution intensity images in Fourier space.

Classifications:

International (IPC 8-9): G01N21/17 G01N21/84 G01N23/20
G01N23/205 G01T1/185 G01T3/00 G02B13/16 G02B21/00
G02B21/06 G02B21/08 G02B21/12 G02B21/16 G02B21/36
G02B26/08 G02B26/10 G02B27/10 G02B27/58 G06K9/00 G06T3/40
G21K7/00 H01J37/22 H01J37/26 H04N5/225 H04N5/232 H04N5/265
H04N5/32 H04N5/349 (Advanced/Invention)
CPC: G02B21/002 G01N23/205 G01T1/185 G01T3/008 H04N5/2256
H04N5/32 H04N5/23229 H04N5/265 G02B21/365 G06K9/00134
G02B21/361 G02B21/06 G02B27/1066 G02B21/008 G02B21/0032
G02B21/0048 G02B21/0056 G02B21/006 H04N13/0459 H04N5/23232
G21K7/00 G02B21/16 G02B21/367 G02B27/46 G02B21/084
G02B21/086 G02B21/125 G02B27/58
US: 348/79 348/80 378/43



Family:

Publication number	Publication date	Application number	Application date
AU2013338193 AA	20140508	AU20130338193	20131028
AU2014296034 AA	20150205	AU20140296034	20140731
AU2014308673 AA	20150226	AU20140308673	20140822
AU2015357537 AA	20160609	AU20150357537	20151204
CA2889495 AA	20150423	CA20132889495	20131028
CA2919985 AA	20160129	CA20142919985	20140731
CA2921372 AA	20160212	CA20142921372	20140822
CA2969432 AA	20170531	CA20152969432	20151204
CN104885187 A	20150902	CN201380068831	20131028
CN105659143 A	20160608	CN201480054301	20140731
CN105765690 A	20160713	CN201480057911	20140822
CN107111125 A	20170829	CN201580072950	20151204
EP2915180 A1	20150909	EP20130851670	20131028
EP2915180 A4	20160427	EP20130851670	20131028
EP3028088 A1	20160608	EP20140832857	20140731
EP3028088 A4	20170315	EP20140832857	20140731
EP3036753 A1	20160629	EP20140837844	20140822
EP3036753 A4	20170322	EP20140837844	20140822
EP3227741 A1	20171011	EP20150865492	20151204
JP2015535348 T2	20151210	JP20150539884T	20131028
JP2016530567 T2	20160929	JP20160536489T	20140822
JP2016534389 T2	20161104	JP20160531919T	20140731
SG11201503293V A1	20150528	SG20151103293	20131028
TW201428339 A	20140716	TW20130139192	20131029
US2014118529 AA	20140501	US20130065280	20131028
US2014126691 AA	20140508	US20130065305	20131028
US2015160450 AA	20150611	US20140572493	20141216
US2016088205 AA	20160324	US20150960252	20151204
US2016320605 AA	20161103	US20160209604	20160713
WO14070656 A1	20140508	WO2013US67068	20131028
WO16090331 A1	20160609	WO2015US64126	20151204

Priority:

US20120720258P 20121030	US20130065280 20131028	US20130065305 20131028
US20130847472P 20130717	US20130899715P 20131104	US20130868967P 20130822
US20140000722P 20140520	US20130916981P 20131217	US20130860786P 20130731
WO2013US67068 20131028	US20140572493 20141216	US20140466481 20140822
US20140968833P 20140321	US20140944380P 20140225	WO2014US49297 20140731
WO2014US52351 20140822	US20150960252 20151204	US20140087633P 20141204
US20160209604 20160713	WO2015US64126 20151204	

Probable Assignee: CALIFORNIA INST OF TECHNOLOGY

Assignee(s): (std): CALIFORNIA INST OF TECHN ; CALIFORNIA INST OF TECHNOLOGY

Assignee(s): CALIFORNIA INST OF TECHNOLOGY ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; HORSTMAYER ROARKE ; HORSTMAYER ROARKE W ; ZHENG GUOAN ; YANG CHANGHUEI ; OU XIAOZE

Inventor(s): (std): CHUNG JAEBUM ; HORSTMEYER ROARKE ; YANG CHANGHUEI ; OU XIAOZE ; YANG CHANGHUI ; HORSTMEYER ROARKE W ; ZHENG GUOAN ; ZHENG GUO AN

Agent(s): WRAYS PTY LTD; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; ROBIC; FASSIO VALERIA; COOPER JOHN; MARTINEZ LEMKE SHEILA ET AL

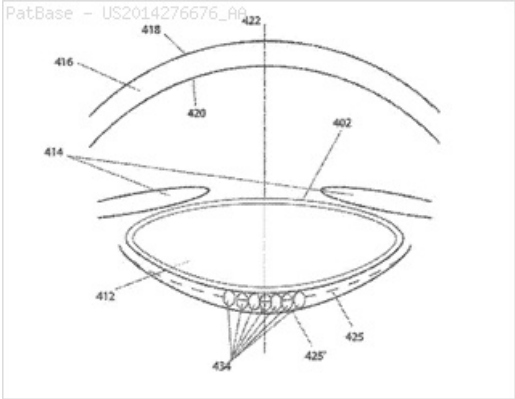
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW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

Title: LASER CAPSULOVITREOTOMY

Abstract: Source: US2014276676A Methods and systems for performing laser-assisted surgery on an eye form a layer of bubbles in the Berger's space of the eye to increase separation between the posterior portion of the lens capsule of the eye and the anterior hyaloid surface of the eye. A laser is used to form the layer of bubbles in the Berger's space. The increased separation between the posterior portion of the lens capsule and the anterior hyaloid surface can be used to facilitate subsequent incision of the posterior portion of the lens capsule with decreased risk of compromising the anterior hyaloid surface. For example, the layer of bubbles can be formed prior to performing a capsulotomy on the posterior portion of the lens capsule.

Classifications:

International (IPC 8-9): A61F9/008 (Advanced/Invention)
CPC: A61F9/00834 A61F9/00836 A61F2009/0087 A61F2009/00889
US: 606/5



Family:

Publication number	Publication date	Application number	Application date
AU2014228568 AA	20140918	AU20140228568	20140226
CA2905321 AA	20150910	CA20142905321	20140226
EP2967999 A1	20160120	EP20140709516	20140226
EP2967999 B1	20170419	EP20140709516	20140226
EP3195838 A1	20170726	EP20170152041	20140226
JP2016510660 T2	20160411	JP20160500433T	20140226
US2014276676 AA	20140918	US20140190915	20140226
WO14143555 A1	20140918	WO2014US18710	20140226

Priority:

EP20140709516 20140226 US20130785672P 20130314 US20140190915 20140226
WO2014US18710 20140226

Probable Assignee: OPTIMEDICA CORP

Assignee(s): (std): ANDERSEN DAN E ; OPTIMEDICA CORP ; SCHUELE GEORG ; STEVENS JULIAN

Inventor(s): (std): ANDERSEN DAN E ; SCHUELE GEORG ; STEVENS JULIAN

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; GOWLING LAFLEUR HENDERSON LLP; CLARK JANE ANNE; INO SARI; NISHIJIMA TAKAKI; MATSUSHITA MITSURU; KURASAWA ICHIRO; DESHIMARU TAKESHI; SHARMA SANJESH

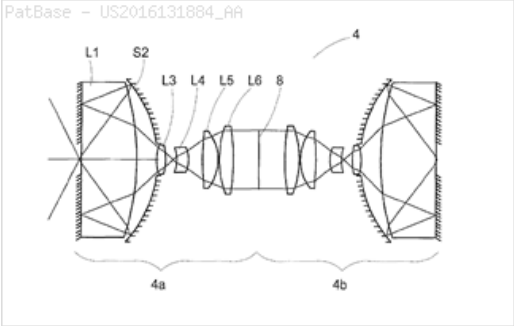
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW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

Title: DEVICE FOR IMAGING SAMPLE

Abstract: Source: US2016131884A An apparatus for imaging a sample arranged in a first medium in an object plane. The apparatus includes an optical transmission system which images the sample in the object plane in an intermediate image in an intermediate image plane. The object plane and the intermediate image plane form an angle not equal to 90 degrees with an optical axis of the transmission system. The apparatus further comprises an optical imaging system having an objective. The object plane may be imaged on a detector without distortion. The optical transmission system is symmetrical with respect to a pupil plane, the object plane, and the intermediate image plane to satisfy the Scheimpflug condition. The intermediate image lies in a second medium having a refractive index virtually identical to that of the first medium. A lens group of a subsystem arranged closest to the sample or intermediate image comprises at least one catadioptric assembly.

Classifications:

International (IPC 8-9): G02B13/22 G02B17/08 G02B21/00 G02B21/04 G02B21/06 G02B21/16 G02B21/24 G02B21/33 G02B21/36 (Advanced/Invention)
CPC: G02B17/0896 G02B21/06 G02B21/33 G02B17/0856 G02B17/0808 G02B21/04 G02B17/084 G02B21/0076 G02B21/367 G02B13/22
US: 359/364 359/385 359/433



Family:

Publication number	Publication date	Application number	Application date
DE102013105586 A1	20141204	DE201310105586	20130530
US2016131884 AA	20160512	US20140894029	20140527
WO14191381 A1	20141204	WO2014EP60891	20140527

Priority:

DE201310105586 20130530 WO2014EP60891 20140527

Probable Assignee: ZEISS CARL MICROSCOPY GMBH

Assignee(s): (std): CARL ZEISS MICROSCOPY GMBH ; ZEISS CARL AG ; ZEISS CARL MICROSCOPY GMBH

Assignee(s): CARL ZEISS AG

Inventor(s): (std): DEGEN ARTHUR ; DEGEN ARTUR ; SHAFER DAVID ; SHAFER DAVID R ; SINGER WOLFGANG ; SINGER WOLFGANG DR ; ULRICH WILHELM ; WOLLESCHENSKY RALF

Agent(s): HAMPE HOLGER

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 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

Title: APERTURE SCANNING FOURIER PTYCHOGRAPHIC IMAGING

Abstract: Source: US2015036038A Certain aspects pertain to aperture-scanning Fourier ptychographic imaging devices comprising an aperture scanner that can generate an aperture at different locations at an intermediate plane of an optical arrangement, and a detector that can acquire lower resolution intensity images for different aperture locations, and wherein a higher resolution complex image may be constructed by iteratively updating regions in Fourier space with the acquired lower resolution images.

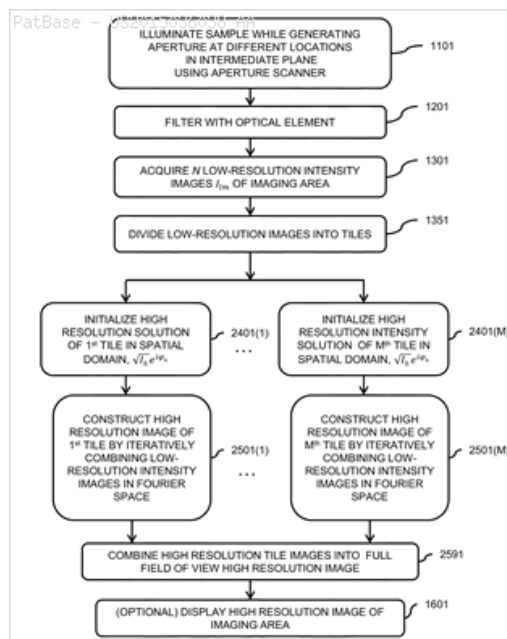
Classifications:

International (IPC 8-9): G01B11/02 G01B9/02 G01N23/205

G01T1/185 G01T3/00 G02B21/00 G02B26/10 G02B3/04 G02B5/20
G06E3/00 H01J37/22 H01J37/26 H04N13/04 H04N5/225 H04N5/232
H04N5/32 (Advanced/Invention)

CPC: H04N5/2256 G01N23/205 G01T1/185 G01T3/008 H04N5/32
G02B21/008 G02B21/0032 G02B21/006 G02B21/0056 G02B21/0048
G02B21/06 G02B21/361 G02B27/1066 H04N13/0459 H04N5/23232
G02B21/16 G02B21/367 G02B27/46 G02B21/084 G02B21/086
G02B21/125 G02B27/58

US: 1/1 348/222.1 348/342 348/360 348/79



Family:

Publication number	Publication date	Application number	Application date
US2015036038 AA	20150205	US20140448850	20140731
US2015054979 AA	20150226	US20140466481	20140822
US2016320595 AA	20161103	US20160206859	20160711
US9426455 BB	20160823	US20140448850	20140731
US9497379 BB	20161115	US20140466481	20140822
WO15017730 A1	20150205	WO2014US49297	20140731
WO15027188 A1	20150226	WO2014US52351	20140822

Priority:

US20130860786P 20130731	US20130868967P 20130822	US20140448850 20140731
US20130899715P 20131104	US20140000722P 20140520	US20140466481 20140822
US20160206859 20160711		

Probable Assignee: CALIFORNIA INST OF TECHNOLOGY

Assignee(s): (std): CALIFORNIA INST OF TECHN ; CALIFORNIA INST OF TECHNOLOGY

Assignee(s): CALIFORNIA INST OF TECHNOLOGY ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT

Inventor(s): (std): HORSTMAYER ROARKE ; HORSTMAYER ROARKE W ; OU XIAOZE ; YANG CHANGHUEI ; ZHENG GUOAN

Agent(s): WEAVER AUSTIN VILLENEUVE AND SAMPSON LLP; SHEILA; MARTINEZ LEMKE SHEILA ET AL

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 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

Title: APPARATUS FOR LASER SCRIBING

Abstract: A computer-controlled apparatus (1100, 2000) for laser scribing at least one line segment via hole (163, 165, 165', 167) in a thin-film device (200) wherein the apparatus comprising at least one laser source (1110, 1120), at least one mirror (1150, 1151) to form at least one laser spot (7200, 7300, 7400, 7500, 7600, 7700) on the first side of said device, at least one actuator (1115, 1116, 1125, 1126, 1130, 1150, 1151, 2140, 2150, 2260, 2265, 2280, 2285) configured to move at least one laser spot for laser scribing the thin-film device (200) along at least one direction (101, 102), at least one optical sensor (1146, 1160) configured to acquire imaging data, and at least one control system (6000) for processing imaging data, the control system executing image processing instructions (6140, 6146, 6147) for measuring in the imaging data, along a direction (103) that is orthogonal to at least one direction of laser scribing (101, 102): the width of a curl-up (1345) of the back-contact layer (120, 124, 126, 128, 129) and the width of a lip (1355) of conductive alloy resulting from a permanent change in the chemical composition of the semiconductive optoelectronically active layer where the line segment via hole is drilled.

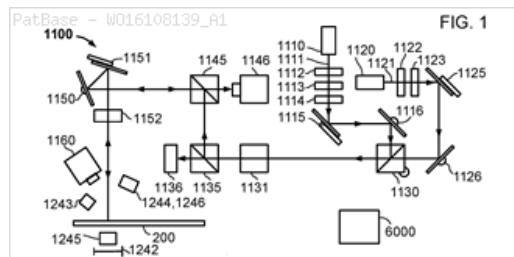
Classifications:

International (IPC 8-9): B23K26/03 B23K26/362 B23K26/402

H01L31/0463 (Advanced/Invention)

CPC: B23K26/032 B23K2203/172 B23K2203/56 H01L31/0463

B23K26/361 B23K2203/50 Y02E10/50 H01L31/0749 H01L31/206

**Family:**

Publication number	Publication date	Application number	Application date
EP3240652 A1	20171108	EP20150826183	20151221
WO16108139 A1	20160707	WO20151B59832	20151221

Priority:

WO2014EP25031 20141231 WO2014IB57807 20140131 WO2015EP25031 20141231
WO2015IB59832 20151221

Probable Assignee: FLISOM AG

Assignee(s): (std): FLISOM AG

Inventor(s): (std): NETTER THOMAS ; ZILTENER ROGER

Agent(s): PARRINI LORENZO; CRONIN BRIAN

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

Title: METHOD AND APPARATUS FOR **MICROSCOPY**

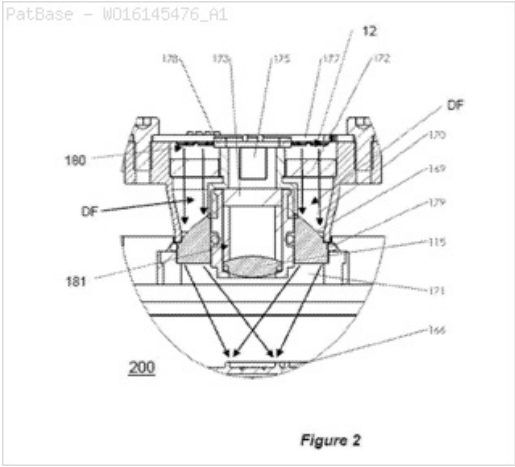
Abstract: The present invention provides for assessing biological samples for developmental viability utilising **microscopy** by contemporaneously capturing bright field and dark field images of a biological sample within a time lapse measurement interval.

Classifications:

International (IPC 8-9): C12M3/10 G01N21/01 G02B G02B21/10

G02B21/12 (Advanced/Invention)

CPC: G02B21/084 G02B21/125



Family:

Publication number	Publication date	Application number	Application date
AU2016232975 AA	20160922	AU20160232975	20160315
CA2978787 AA	20170906	CA20162978787	20160315
IL254325 A0	20171130	IL20160254325	20160315
IN201717031420 A	20171124	IN201717031420	20170905
WO16145476 A1	20160922	WO2016AU00089	20160315

Priority:

AU20150900909 20150313 WO2016AU00089 20160315

Probable Assignee: GENE A IP HOLDINGS PTY LTD

Assignee(s): (std): GENE A IP HOLDINGS PTY LTD

Assignee(s): GENE A LTD ; LANYON SAMUEL ROSS GARLAND ; SPENCE SIMON JONATHON ; VOM EDUARDO ; STEWART STEELE BENEDICT JOHN

Inventor(s): (std): LANYON SAMUEL ROSS GARLAND ; SPENCE SIMON JONATHON ; STEWART STEELE BENEDICT JOHN ; VOM EDUARDO

Agent(s): PINI IP; AIRD AND MCBURNEY LP

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 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