

Search query (2): fn=(71682889^400 or 57561132^210 or 70791497^190 or 50810031^180 or 61182107^160 or 49470799^160 or 47489475^150 or 32397420^150 or 30481147^150 or 29754885^150 or 28617495^150 or 64368289^140 or 43236044^140 or 31983771^140 or 31488994^140 or 30148321^140 or 23900836^140 or 23414198^140 or 67076607^130 or 62963731^130 or 59461270^130 or 55708448^130 or 55003315^130 or 51331608^130 or 50915984^130 or 50791543^130 or 48786420^130 or 73930929^120 or 72261236^120 or 70851871^120 or 67744988^120 or 65762716^120 or 65489892^120 or 63864403^120 or 62065472^120 or 61649329^120 or 61594619^120 or 56716442^120 or 56438285^120 or 51991680^120 or 50099972^120 or 49769289^120 or 44581972^120 or 42106550^120 or 40837534^120 or 36058406^120 or 34548910^120 or 32201024^120 or 32140583^120 or 31983776^120 or 31424674^120 or 30656087^120 or 30321018^120 or 69573033^110 or 69212296^110 or 68877948^110 or 68593473^110 or 68012381^110 or 63719793^110 or 63719381^110 or 62536734^110 or 62326561^110 or 60730918^110 or 59548262^110 or 57315200^110 or 55881812^110 or 54122229^110 or 53699804^110 or 53002659^110 or 51042656^110 or 48312306^110 or 47087003^110 or 44814736^110 or 41021776^110 or 34605791^110 or 32813169^110 or 31934664^110 or 31747444^110 or 31004440^110 or 30737597^110 or 30339808^110 or 30315831^110 or 30182939^110 or 30085358^110 or 28716303^110 or 28635799^110 or 28166006^110 or 75048096^100 or 74861388^100 or 74027097^100 or 73502770^100 or 73043203^100 or 72980415^100 or 71978955^100 or 71677964^100 or 69212291^100 or 69192641^100 or 69192265^100 or 68075374^100 or 67076194^100)

Results: 100

1) Family number: 71682889 (US2020132605 AA)

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Title: SENSORS HAVING INTEGRATED PROTECTION CIRCUITRY

Abstract: An example sensor includes a flow cell, a detection device, and a controller. The flow cell includes a passivation layer having opposed surfaces and a reaction site at a first of the opposed surfaces. The flow cell also includes a lid operatively connected to the passivation layer to partially define a flow channel between the lid and the reaction site. The detection device is in contact with a second of the opposed surfaces of the passivation layer, and includes an embedded metal layer that is electrically isolated from other detection circuitry of the detection device. The controller is to ground the embedded metal layer.

Classifications:

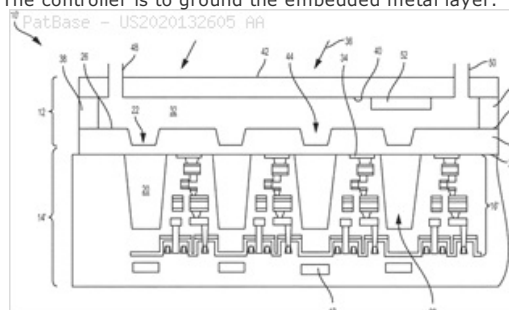
International (ipc 8-9): C12Q1/68 G01N G01N21/01 G01N21/05 G01N21/62 G01N21/64 G01N21/77 G01N21/78 G01N27/403 G01N33/543 G01N35/00 H01L21/8234 H01L27/06 H01L31/10

International (ipc 1-7): G01N21/77 G01N21/78 G01N35/00

CPC: B01L2300/0645 B01L2300/0654 B01L3/502715 B01L3/502738 C12Q1/6825 G01N21/6454 G01N21/6486 G01N21/7703 G01N33/54373 G01N33/5438 G01N2021/7753 G01N21/78 G01N35/00029

JP F-Term: 2G057 4B029 5F048 5F849 2G057/AA04 2G057/AB01 2G057/AC01 2G057/AD01 2G057/BA05 2G057/BB01 2G057/BB06 2G057/BB10 2G057/BC05 2G057/BD04 2G057/DA11 2G057/DB10 2G057/DC07 2G057/EA06 2G057/GA07 2G057/JA02 2G057/JB10 4B029/AA07 4B029/BB20 4B029/CC01 4B029/FA10 5F048/AB10 5F048/AC03 5F048/AC10 5F048/BA01 5F048/BF02 5F048/BF07 5F048/BF12 5F849/AA01 5F849/BA21 5F849/BB03 5F849/BB07 5F849/DA25 5F849/EA01 5F849/EA04 5F849/FA05 5F849/FA11 5F849/FA20 5F849/JA13 5F849/JA14 5F849/KA04 5F849/KA11 5F849/KA14 5F849/KA20 5F849/XB01 5F849/XB04

JP F-Index: C12M01/00@A G01N21/05 H01L27/06,102@A H01L31/10@G H01L31/10@H



Family:

Publication number	Publication date	Application number	Application date
AU2018258080 AA	20181220	AU20180258080	20180419
BR112019007053 A2	20190702	BR20191107053	20180419
CA3026285 AA	20181130	CA20183026285	20180419
CL2018003752 A1	20190412	CL20180003752	20181221
CN109477799 A	20190315	CN201880002839	20180419
CO20180013857 A2	20190118	CO20180013857	20181220
CR20190008 A	20190409	CR20190000008	20180419
EP3615922 A1	20200304	EP20180791184	20180419
ID201903792 A	20190531	ID2018P0010517	20180419
IL263400 A0	20181231	IL20180263400	20180419
IN201817047458 A	20191025	IN201817047458	20181214
JP2020523551 T2	20200806	JP20180568256T	20180419
KR20190134457 A	20191204	KR20187037969	20180419
MX2018016303 A1	20190829	MX20180016303	20180419
NL2019043 B1	20181105	NL20172019043	20170609
PE20200272 A1	20200204	PE20180003302	20180419
PH2018502734 A	20191028	PH20180502734	20181221
SG11201811339S A1	20190130	SG20181111339	20180419
TW201843445 A	20181216	TW20180113868	20180424
TWI679418 B	20191211	TW20180113868	20180424
US2020132605 AA	20200430	US20180607354	20180419
WO18200300 A1	20181101	WO2018US28265	20180419

Priority:

US20170489840P 20170425 NL20172019043 20170609 WO2018US28265 20180419
US20180607354 20180419

Probable Assignee: ILLUMINA INC

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Agent(s): BERESKIN AND PARR LLP SENCRL SRL; DIERKER JULIA CHURCH ET AL; JORGE GARAY PEREZ; MURGITROYD AND CO; MUTIARA SUSENO LLB MH; WRAYS PTY LTD

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 DJ 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 JO JP KE KG KH KM KN KP KR KW 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

2) Family number: 57561132 (US2014336083 AA)

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Title: SYSTEM FOR PORTABLE AND EASY-TO-USE DETECTION OF ANALYTES WITH MOBILE COMPUTING DEVICE

Abstract: This system takes in raw cellular material collected using a provided swab, blood collection device, urine collection device, or other sample collection device and transforms that biological material into a digital result, identifying the presence, absence and/or quantity of nucleic acids, proteins, and/or other molecules of interest.

Classifications:

International (IPC 8-9): B01F11/02 B01L B01L3/00 B01L7/00 B05D3/00 B81B3/00 C12M1/34 C12Q1/48 C12Q1/68 C12Q1/6825 C12Q1/6844 F16K17/14 F16K99/00 G01N G01N1/00 G01N1/02 G01N1/10 G01N1/12 G01N1/34 G01N1/38 G01N15/06 G01N21/75 G01N21/78 G01N27/26 G01N27/28 G01N27/30 G01N27/327 G01N27/416 G01N31/22 G01N33/00 G01N33/48 G01N33/543 G01N33/58 G01N35/00 G01N35/02 G01N35/08 G01N35/10 G01N37/00 H04M1/725

International (IPC 1-7): B01L3/00 G01N35/00

CPC: B01L2200/025 B01L2200/026 B01L2200/027 B01L2200/028 B01L2200/04 B01L2200/0668 B01L2200/0684 B01L2200/0689 B01L2200/087 B01L2200/10 B01L2200/16 B01L2300/023 B01L2300/025 B01L2300/04 B01L2300/044 B01L2300/06 B01L2300/0627 B01L2300/0645 B01L2300/0681 B01L2300/0816 B01L2300/0838 B01L2300/0864 B01L2300/0867 B01L2300/087 B01L2300/12 B01L2300/161 B01L2300/1827 B01L2400/0406 B01L2400/0487 B01L2400/0677 B01L2400/0683 B01L3/5027 B01L3/502715 B01L3/502723 B01L3/502738 B01L3/5029 B05D2518/00 B05D3/002 C12Q1/6825 F16K2099/0084 F16K99/0032 F16K99/0036 G01N1/02 G01N2001/027 G01N2001/028 G01N2035/00277 G01N2035/00564 G01N21/78 G01N2458/30 G01N27/28 G01N27/3271 G01N27/3272 G01N27/3273 G01N33/54306 G01N33/54326 G01N33/54333 G01N33/54366 G01N33/54373 G01N33/5438 G01N33/581 G01N35/00029 G01N35/0098 G01N35/08 G01N35/1095 H04M1/72527 H04M1/7253 Y10T137/1797 B01L2200/14 B01L2300/047 B01L2300/0663 B01L2300/0672 B01L2300/069 B01L2300/0809 B01L2300/1805 B01L2400/0481 B01L3/5023 B01L3/508 B01L3/523 B01L7/52 G01N35/10 B01L2200/141 B01L2300/0887 G01N2035/0091 G01N35/00871 G01N1/10 G01N1/34 G01N33/58 B01F11/0266 B01L2400/0439 G01N2035/00554 G01N15/0618 G01N2015/0065 H04M1/72522

US: 1/1 137/72 204/403.02 204/403.04 204/403.05 204/403.14 204/406 205/775.5 422/430 422/502 422/554 422/68.1 422/69 422/82.02 427/314 435/287.2 435/5 435/6.11 435/7.92 435/7.93 435/7.94 436/501 506/39 506/9 D24/216

JP F-Term: 2G058 2G052 2G056 4B029 4B063 2G058/EA16 2G058/FA01 2G058/GA11 2G058/GC02 2G058/GC05 2G052/AA29 2G052/AA30 2G052/AA32 2G052/AA33 2G052/AD06 2G052/AD26 2G052/AD46 2G052/BA19 2G052/CA04 2G052/CA16 2G052/DA08 2G052/DA09 2G052/FA03 2G052/GA23 2G058/CC08 2G058/CE01 2G058/DA00 2G058/DA07 2G058/GA12 2G052/AA24 2G052/AA28 2G052/AB16 2G052/BA02 2G052/CA39 2G052/DA01 2G052/DA23 2G052/EB12 2G052/FB10 2G052/FC04 2G052/FC11 2G052/FC15 2G052/GA29 2G052/JA02 2G052/JA06 2G052/JA07 2G052/JA08 2G058/AA09 2G058/BA08 2G058/BA10 2G058/BB02 2G058/BB10 2G058/BB15 2G058/BB26 2G058/CA05 2G058/DA09 2G058/FA07 2G058/FB09 2G058/FB12 2G058/FB21 2G058/FB27 2G058/GA06 2G058/GD05 2G058/GD06 4B029/AA07 4B029/BB15 4B029/BB20 4B029/CC01 4B029/DG08 4B029/GB09 4B063/QA01 4B063/QA18 4B063/QQ28 4B063/QQ42 4B063/QQ52 4B063/QQ79 4B063/QR08 4B063/QR32 4B063/QR35 4B063/QR48 4B063/QR62 4B063/QS24 4B063/QS36 4B063/QS39 4B063/QX01

JP F-Index: G01N35/02@D G01N35/08@A G01N37/00,101 G01N1/00,101@F G01N1/00,101@G G01N1/12@B G01N27/416,336@N G01N35/02@A C12M1/34@B C12Q1/48@Z C12Q1/6844@Z G01N1/00,101@N G01N27/26,391@Z G01N27/416,336@C G01N27/416,336@G G01N27/416,336@M G01N35/00@B G01N35/02@E

Locarno class: 10/05 24/02 24/01

Family:

Publication number	Publication date	Application number	Application date
AU2014248813 AA	20150903	AU20140248813	20140311
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AU2016210684 AA	20160825	AU20160210684	20160804
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AU2020204329 AA	20200716	AU20200204329	20200629
BR112015022186 A2	20170718	BR20151122186	20140311
BR112018000851 A2	20180904	BR20181100851	20160716
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CA3028416 AA	20141009	CA20143028416	20140311
CA2992596 AA	20180115	CA20162992596	20160716
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CN108136391 A	20180608	CN201680053699	20160716
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CN304340017 S	20171103	CN201730019309F	20170118
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EP3325153 A1	20180530	EP20160744639	20160716
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JP1617207 S	20181105	JP20170000719F	20170118
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US9789483 BB	20171017	US20140205146	20140311
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US2017045507 AA	20170216	US20160336487	20161027
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US10195606 BB	20190205	US20160368249	20161202
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US2017266657 AA	20170921	US20170487956	20170414
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US10603664 BB	20200331	US20190395133	20190425
US2019314810 AA	20191017	US20190395133	20190425
US2020164373 AA	20200528	US20200777344	20200130
WO14164933 A1	20141009	WO2014US23821	20140311
WO16040642 A1	20160317	WO2015US49439	20150910
WO17015172 A1	20170126	WO2016US42688	20160716
ZA201800856 A	20190424	ZA20180000856	20160716
ZA201900856 A	20201028	ZA20190000856	20190211

Priority:

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CA20142904135	20140311	CN201480001891	20140311	EP20140779852	20140311
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US20150599365	20150116	US20150599375	20150116	US20150194101P	20150717
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US20170785394	20171016	US20180945646	20180404	AU20180203548	20180521
JP20180193112	20181012	CA20192904135	20190107	US20190395133	20190425
US20200777344	20200130	AU20200204329	20200629		

Probable Assignee: CUE INC

Assignee(s): (std): CUE HEALTH INC ; CUE INC ; RUUBIX INC ; ZENITH EPIGENETICS LTD

Assignee(s): CONGDON THOMAS ; COOPER RYAN ; CUE HEALTH INC SAN DIEGO ; DEMARTINO JUSTIN ; DUNCAN MARK ; G WORRY CO ; KHATTAK AYUB ; NELSON PAUL ; QUEUE INC ; SEVER CLINTON ; SHAPIRO RAPHAEL

Inventor(s): (std): AYUB KHATTAK ; CLINTON SEVER ; CONGDON THOMAS ; COOPER RYAN ; DEMARTINO JUSTIN ; DUNCAN MARK ; JUSTIN DEMARTINO ; KHATTAK AYUB ; MARK DUNCAN ; NELSON PAUL ; PAUL NELSON ; RAPHAEL SHAPIRO ; RYAN COOPER ; SEVER CLINTON ; SHAPIRO RAPHAEL ; TEYSSEYRE RAPHAEL ; THOMAS CONGDON ; ZAMAMA OTMANE

Inventor(s): CONGDON THOMAS SAN DIEGO ; COOPER RYAN SAN DIEGO ; DEMARTINO JUSTIN SAN DIEGO ; DUNCAN MARK SAN DIEGO ; KHATTAK AYUB SAN DIEGO ; NELSON PAUL SAN DIEGO ; SEVER CLINTON SAN DIEGO ; SHAPIRO RAPHAEL SAN DIEGO

Agent(s): ANTOINETTE F; BARKER BRETTELL LLP; BOLTEN CHRISTOPHER C; BROWN MARSHALL J; CHRISTOPHER C; DEHMEI AND BETTENHAUSEN PATENTANWALTE PARTMBB; EMILY YIP AND CO; FOLEY AND LARDNER LLP; HENRY HUGHES IP LTD; HONG KONG PATENT REGISTRATIONS CO; KONSKI ANTOINETTE F; KONSKI ANTOINETTE F ET AL; KRUPNIK EDUARDO; LAWRENCE JOHN; LORENZ AND KOLLEGEN PATENTANWALTE PARTNERSCHAFTSGESELLSCHAFT MBB; MARKS AND CLERK; MORLEY MARC T ET AL; PEARL COHEN ZEDEK LATZER BARATZ; WIGHTMAN DAVID ALEXANDER

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

3) Family number: 70791497 (US2019111424 AA)

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Title: ASSAY USING DIFFERENT SPACING HEIGHTS

Abstract: The present invention, among other things, provides the devices and methods in manipulate a sample for the purpose of assaying.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/08 A61B5/083 A61B5/097
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H04N5/222 H04N5/225 H04N5/232
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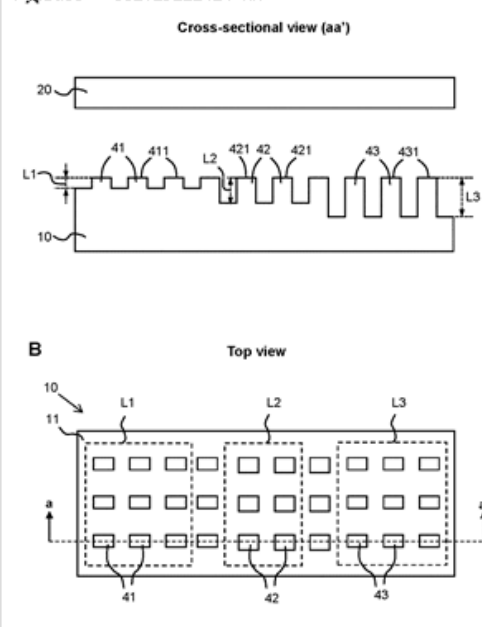
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US: 1/1

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PatBase - US2019111424 AA



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Probable Assignee: ESSENIX CORP

Assignee(s): (std): ESSENIX CORP

Assignee(s): CHOU STEPHEN Y ; DING WEI ; DONG WEI ; LI JI ; QI JI ; TAN HUA ; TIAN JUN ; ZHANG YUFAN

Inventor(s): (std): CHOU STEPHEN ; CHOU STEPHEN Y ; DING WEI ; DONG WEI ; LI JI ; QI JI ; TAN HUA ; TIAN JUN ; ZHANG YUFAN

Agent(s): CHANG WILLIS H; CHATTERJEE ALAKANANDA; GONZALEZ JULIAN; GONZALEZ JULIAN D; HARIHARAN VENKATESH; KEDDIE JAMES S; VANGUARD INTELLECTUAL PROPERTY LLP; VENKATESH HARIHARAN; WILLIAMS POWELL

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 DJ 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 JO JP KE KG KH KM KN KP KR KW 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

4) Family number: 50810031 (US2012071342 AA)

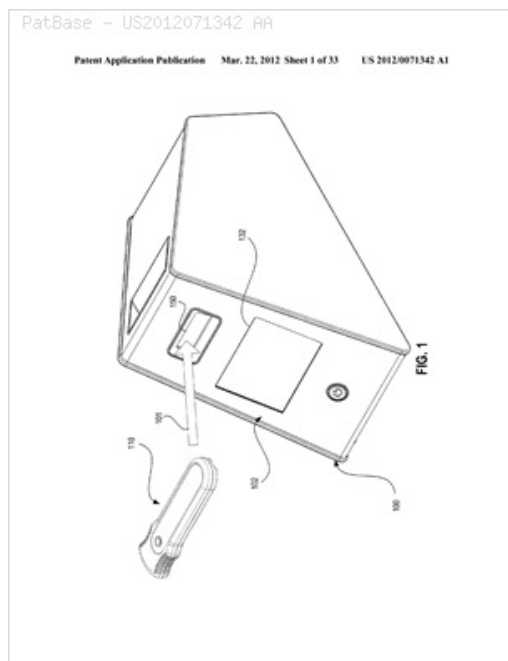
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Title: SYSTEM AND METHOD FOR DETECTING MULTIPLE MOLECULES IN ONE ASSAY

Abstract: A rapid diagnostic system that delivers a panel of serologic assay results using a small amount of blood, serum, or plasma is described. The system includes a disposable cartridge and a reader instrument, based on planar waveguide imaging technology. The cartridge incorporates a microarray of recombinant antigens and antibody controls in a fluidic channel, providing multiple parallel fluorescence assay results for a single sample.

Classifications:

International (IPC 8-9): B01L3/00 B01L9/00 C12M1/00 C12M1/34 C12Q1/02 C12Q1/68 C12Q1/70 C40B30/04 C40B60/12 F21V8/00 G01F1/34 G01F1/74 G01N15/10 G01N15/14 G01N21/00 G01N21/03 G01N21/05 G01N21/64 G01N21/75 G01N21/77 G01N3/00 G01N33/50 G01N33/52 G01N33/543 G01N33/569 G01N35/00 G02B6/00 G02B6/10 G02B6/42 G06T7/20
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Family:

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Probable Assignee: MBIO DIAGNOSTICS INC

Assignee(s): (std): DELANEY MARIE J ; DUNN JOHN S ; GIVENS MONIQUE ; GREEF CHARLES ; IVES JEFFREY ; LOCHHEAD MICHAEL J ; MBIO DIAGNOSTICS INC ; MBIO DIAGNOSTICS INC ; MOLL KEVIN D ; MYATT CHRISTOPHER J ; NIEUWLANDT DANIEL T ; ROWLEY KEAGAN B ; TODOROF KATHRYN ; VOGEL KURT R ; WOODRUFF EVELYN S

Assignee(s): MBIO DIAGNOSTICS INC BOULDER ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT

Inventor(s): (std): DELANEY MARIE J ; DUNN JOHN S ; GIVENS MONIQUE ; GREEF CHARLES ; IVES JEFFREY ; IVES JEFFREY T ; LOCHHEAD MICHAEL J ; MOLL KEVIN D ; MYATT CHRISTOPHER ; MYATT CHRISTOPHER J ; NIEUWLANDT DANIEL T ; ROWLEY KEAGAN B ; TODOROF KATHRYN ; VOGEL KURT R ; WOODRUFF EVELYN S

Inventor(s): DELANEY MARIE J BOULDER ; DUNN JOHN S ARVADA ; GREEF CHARLES LOUISVILLE ; IVES JEFFREY ARVADA ; LOCHHEAD MICHAEL J BOULDER ; MOLL KEVIN D BOULDER ; MYATT CHRISTOPHER J BOULDER ; NIEUWLANDT DANIEL T LONGMONT ; ROWLEY KEAGAN B BOULDER ; TODOROF KATHRYN BOULDER ; VOGEL KURT R BOULDER ; WOODRUFF EVELYN S LONGMONT

Agent(s): CHEN PETER; CHEN PETER ET AL; GLAWIE DELFS MOLL; GLAWIE DELFS MOLL PARTNERSCHAFT MBB VON PATENT U RECHTSANWAELTEN; HOESSELE PATENTANWAELTE PARTNERSCHAFT; LATHROP AND GAGE LLP; LATHROP GAGE LLP; LINDEMANN JOHN

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

5) Family number: 49470799 (US2012014837 AA)

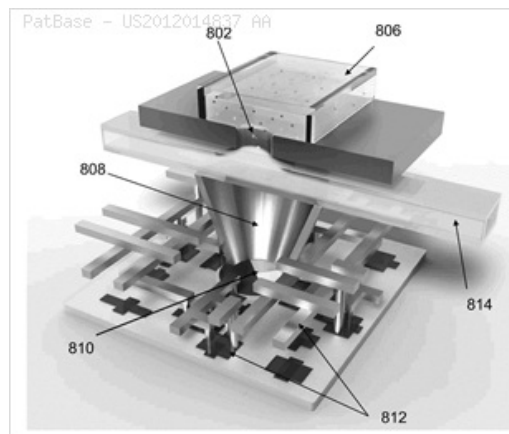
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Title: ILLUMINATION OF INTEGRATED ANALYTICAL SYSTEMS

Abstract: An analytical device including an optically opaque cladding, a sequencing layer including a substrate disposed below the cladding, and a waveguide assembly for receiving optical illumination and introducing illumination into the device. The illumination may be received from a top, a side edge, and a bottom of the device. The waveguide assembly may include a nanoscale aperture disposed in the substrate and extending through the cladding. The aperture defines a reaction cell for receiving a set of reactants. In various aspects, the device includes a sensor element and the illumination pathway is through the sensor element. Waveguides and illumination devices, such as plasmonic illumination devices, are also disclosed. Methods for forming and operating the devices are also disclosed.

Classifications:

International (IPC 8-9): B01L3/00 B82Y15/00 B82Y20/00 C12Q1/68 C12Q1/6825 C12Q1/6869 C12Q1/6874 G01J3/02 G01J3/40 G01J3/50 G01N21/00 G01N21/01 G01N21/03 G01N21/05 G01N21/11 G01N21/63 G01N21/64 G01N21/75 G01N21/77 G01N33/543 G02B6/00 G02B6/02 G02B6/10 G02B6/122 G08C23/04 H01L27/144 H01R12/70
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US: 1/1 250/214.1 250/214.100S 250/226 250/226S 250/458.1 250/458.100S 250/459.1 250/459.100S 250/491.1 250/492.1 356/246 356/318 356/319 356/432 356/432P 356/73.1 385/12 385/123 385/123S 385/129 385/129S 385/12S 385/14 385/39 385/43 422/69 422/82.05 422/82.07 422/82.08 422/82.080S 422/82.11 422/82.110P 435/287.2 435/6.1 435/6.12 436/172 436/172S 436/501 436/94 436/94P 439/55 439/55S 506/2 506/38 506/39 506/4 506/6



Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: PACIFIC BIOSCIENCES OF CALIFORNIA INC

Assignee(s): (std): FEHR ADRIAN ; HELGESEN SCOTT EDWARD ; MCCAFFREY NATHANIEL JOSEPH ; PACIFIC BIOSCIENCE OF CALIFORNIA INC ; PACIFIC BIOSCIENCES CALIFORNIA ; PACIFIC BIOSCIENCES CALIFORNIA INC ; PACIFIC BIOSCIENCES OF CALIFORNIA INC ; PACIFIC BIOSCIENCES OF CALIFORNIA INC ; SAXENA RAVI ; TURNER STEPHEN

Assignee(s): PACIFIC BIOSCIENCES OF CALIFORNIA INC MENLO PARK

Inventor(s): (std): FEHR ADRIAN ; HELGESEN SCOTT EDWARD ; MCCAFFREY NATHANIEL JOSEPH ; SAXENA JR RAVI ; SAXENA RAVI ; SAXENA SR RAVI ; TURNER STEPHEN

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MENLO PARK ; SAXENA RAVI MENLO PARK ; TURNER STEPHEN MENLO PARK

Agent(s): FB RICE; FB RICE PTY LTD; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; JOHNSON VICTOR E ET AL; KIDDLE SIMON JOHN; MEWBURN ELLIS LLP; MORGAN LEWIS AND BOCKIUS LLP; MURGITROYD AND CO; ONEILL MICHELLE

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 TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

6) Family number: 61182107 (US2017203295 AA)

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Title: A MICROFLUIDIC DETECTION SYSTEM AND A MICROFLUIDIC CARTRIDGE

Abstract: A microfluidic cartridge includes first and second sides and at least one flow channel and an inlet to the flow channel(s) for feeding a liquid sample, the flow channel(s) include a plurality of first optical detection sites. A detector assembly includes a slot for inserting the microfluidic cartridge and a first fixed light source with a beam path and an optical reader for reading out optical signals from at least one of the first optical detection site(s). When the microfluidic cartridge is inserted to a first predetermined position into the slot, one of the first optical detection sites of the microfluidic cartridge is positioned in the beam path of the first light source, and when the cartridge is inserted to a second predetermined position into the slot, another one of the first optical detection sites of the microfluidic cartridge is positioned in the beam path of the first light source.

Classifications:

International (IPC 8-9): A61B5/145 B01L B01L3/00 B01L9/00 G01N G01N15/14 G01N21/00 G01N21/01 G01N21/03 G01N21/05 G01N21/25 G01N21/27 G01N21/31 G01N21/64 G01N21/77 G01N21/78 G01N27/403 G01N33/483 G01N35/00 G01N35/08 G01N37/00

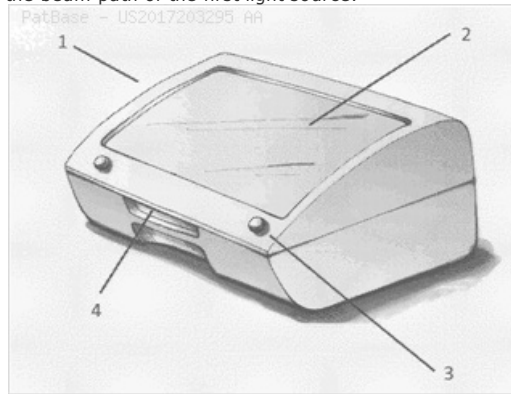
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US: 1/1 422/67

JP F-Term: 2G043 2G045 2G054 2G057 2G058 2G059 2G043/AA01

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Family:

Publication number	Publication date	Application number	Application date
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US2017203295 AA	20170720	US20150319542	20150615
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Priority:

DK20140070363 20140618 WO2015DK50166 20150615 AU20150276638 20150615
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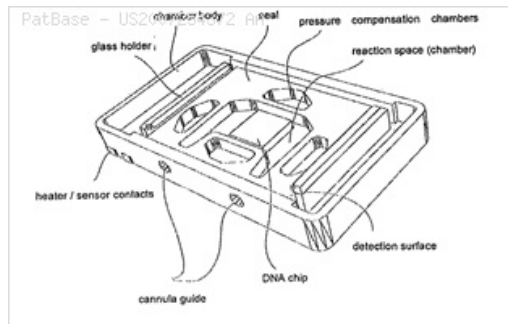
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US: 1/1 356/337 356/337S 356/39 356/39P 356/71 422/400 422/400S 422/55 422/55S 422/58 422/58S 435/283.1 435/287.1
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JP F-Term: 2G045 2G054 2G058 4B024 4B029 4B063 2G049 2G054/AA06 2G054/AB07 2G054/CA22 2G054/CE02 2G054/EA03
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Family:

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Priority:

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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 GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM

9) Family number: 47489475 (US2010302544 AA)

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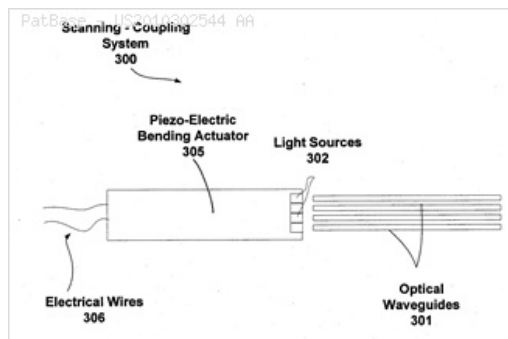
Title: WAVEGUIDE-BASED DETECTION SYSTEM WITH SCANNING LIGHT SOURCE

Abstract: The invention provides methods and devices for generating optical pulses in one or more waveguides using a spatially scanning light source. A detection system, methods of use thereof and kits for detecting a biologically active analyte molecule are also provided. The system includes a scanning light source, a substrate comprising a plurality of waveguides and a plurality of optical sensing sites in optical communication with one or more waveguide of the substrate, a detector that is coupled to and in optical communication with the substrate, and means for spatially translating a light beam emitted from said scanning light source such that the light beam is coupled to and in optical communication with the waveguides of the substrate at some point along its scanning path. The use of a scanning light sources allows the coupling of light into the waveguides of the substrate in a simple and cost-effective manner.

Classifications:

International (IPC 8-9): B01L3/00 C12M1/34 C12M1/36 C12M3/00 C12Q1/68 C12Q1/6825 C12Q1/70 G01N G01N21/00 G01N21/17 G01N21/31 G01N21/64 G01N21/78 G01N33/543 G01N33/569 G02B G02B6/00 G02B6/125 G02B6/26 G02B6/35 G02B6/42 H01J3/14
CPC: G01N2015/1006 G01N21/645 G01N21/6452 G01N2201/08 G02B6/0073 G02B6/35 G02B6/4214 G02B6/4225 G02B6/4226 G02B6/4257 G02B6/43 B01L2300/0636 B01L2300/0654 B01L2300/0816 B01L2300/0819 B01L3/502715 B01L7/52 C12Q1/6825 C12Q1/703 G01N2021/6463 G01N21/6428 G01N2201/0853 G01N2201/10 G01N33/54373 G01N2021/6439 G01N21/6454 G01N21/648 G01N2201/0696 G01N2201/103 G01N33/56988 Y10T436/143333 G01N2021/6484 G01N2021/0346 G02B6/3598 G02B6/4206
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JP F-Term: 2G043 2G054 2G043/AA01 2G043/AA03 2G043/BA16 2G043/BA17 2G043/CA01 2G043/CA03 2G043/CA06 2G043/GA03 2G043/GB01 2G043/GB02 2G043/GB16 2G043/GB19 2G043/HA01 2G043/HA02 2G043/HA05 2G043/JA02 2G043/JA02 2G043/KA05 2G043/KA08 2G043/KA09 2G043/LA01 2G043/LA03 2G054/AA01 2G054/AA02 2G054/AA07 2G054/AB02 2G054/AB05 2G054/CA20 2G054/CA22 2G054/CA23 2G054/CE02 2G054/EA03 2G054/EB01 2G054/FA12 2G054/FA16 2G054/FA17 2G054/FA19 2G054/FA20 2G054/FA32 2G054/FA33 2G054/GA03 2G054/GA04 2G054/GA05 2G054/GA08
JP F-Index: G01N21/64@G G01N21/78@C



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Publication number	Publication date	Application number	Application date
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Priority:

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US20180982999	20180517				

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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 DJ 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 KW 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

10) Family number: 28617495 (US6521430 BA)

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Title: METHOD FOR ELECTRO-PERMEABILIZATION OF INDIVIDUAL CELLULAR AND ORGANELLAR STRUCTURES AND USE THEREOF

Abstract: The invention relates to a method for permeabilization of a cell structure consisting of a single cell, an intracellular structure or an organelle comprising the following steps: (a) microelectrodes, preferably two carbon fibre electrodes or hollow fibre electrodes, are provided, (b) the microelectrodes are connected to a power supply, (c) the electrodes, individually controlled by high-graduation micromanipulators, are placed close to the cell structure at an appropriate inter-electrode distance, and (d) a highly focused electric field of a strength sufficient to obtain electroporation is applied between the electrodes. The method may be used in order to transfer cell impermeant solutes, such as drugs or genes, into the cell structure or out of the cell structure, in biosensors, in the treatment of tumours and neurodegenerative diseases and in the study of biophysical processes.

Classifications:

International (IPC 8-9): A61B5/04 A61K31/74 A61K33/00 A61K35/12 A61K38/00 A61K38/43 A61K39/00 A61K39/395 A61K45/00 A61K48/00 A61N1/04 A61N1/30 A61N1/32 A61P43/00 B01L3/00 B01L3/02 B81B7/02 C12M1/00 C12M1/34 C12M1/42 C12M3/00 C12N1/42 C12N13/00 C12N15/09 C12N15/87 C12N5/06 C12N5/071 C12N5/10 C12Q1/00 C12Q1/02 C12Q1/25 C12Q1/68 C12Q1/70 G01N1/00 G01N21/27 G01N21/77 G01N21/78 G01N27/00 G01N27/28 G01N27/30 G01N27/327 G01N27/416 G01N27/42 G01N33/15 G01N33/487 G01N33/50 G01N33/53 G01N33/543 G01N33/566 G01N33/567 G01N33/573 G01N33/68 G01N33/86 G01N35/00 G01N35/10 G01N37/00 G01N5/02

International (IPC 1-7): A61B5/04 A61K31/74 A61K33/00 A61K35/12 A61K38/00 A61K38/43 A61K39/00 A61K39/395 A61K45/00 A61K48/00 A61N1/32 A61P43/00 C12M1/34 C12M1/42 C12M3/00 C12N1/300 C12N1/587 C12N13/00 C12N15/01 C12N15/02 C12N15/09 C12N15/87 C12N15/89 C12N5/06 C12Q1/02 G01N21/27 G01N21/78 G01N27/00 G01N27/30 G01N27/416 G01N33/15 G01N33/50 G01N33/543 G01N33/68 G01N33/86 G01N37/00

CPC: A61N1/306 A61N1/327 C12M35/02 C12N13/00 A61N1/30 A61P43/00 C12N15/87 G01N2035/1039 G01N35/1074 B01L2200/0636 B01L2300/0645 B01L2300/0816 B01L2300/0829 B01L2300/0861 B01L2300/0867 B01L2300/0877 B01L2400/0418 B01L2400/0421 B01L3/5025 B01L3/502715 B01L3/502738 B01L3/502746 B01L3/502776 B01L3/5085 G01N2291/02836 G01N29/022 G01N33/48728 G01N33/543 G01N33/54386 G01N33/554 G01N33/56966 B01L2200/027 B01L2200/10 B01L2300/0627 B01L2300/0636 B01L2300/087 B01L2300/0874 B01L2300/14 B01L2400/0487 B01L3/0293 B01L3/5027 B01L3/50273 B82Y10/00 B82Y20/00 B82Y5/00 G01N33/15 G01N33/54366 G01N33/5438 G01N33/54373 G01N33/6872

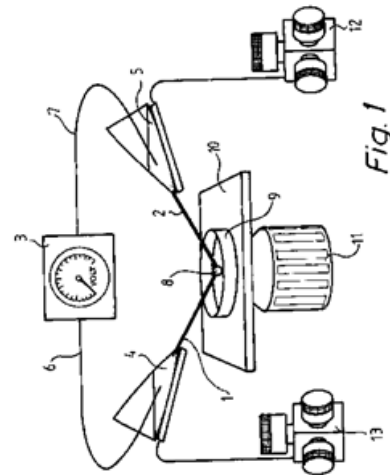
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JP F-Term: 4B033 4C053 2G045 2G055 4B024 4B029 4B063 2G054 4C084 4C085 4C086 4C087 4C201 2G052 2G056 2G058 2G059 4B065 2G060 2G062 4B033/NG05 4B033/NH02 4B033/NH07 4B033/NH10 4B033/NJ01 4B033/NK03 4C053/JJ01 4C053/JJ02 4C053/JJ03 4C053/JJ14 4C053/JJ21 2G045/AA40 2G045/BA13 2G045/CB01 2G045/CB21 2G045/DA12 2G045/DA13 2G045/DA14 2G045/DA20 2G045/DA36 2G045/FB01 2G045/FB12 2G045/JA01 4B024/AA20 4B024/CA01 4B024/CA11 4B024/GA14 4B024/GA16 4B024/HA17 4B029/AA24 4B029/BB01 4B029/BB15 4B029/BB16 4B029/CC01 4B033/NG01 4B033/NK01 4B033/NK02 4B033/NK06 4B063/QA18 4B063/QA20 4B063/QQ05 4B063/QQ08 4B063/QQ33 4B063/QQ36 4B063/QQ42 4B063/QQ52 4B063/QQ79 4B063/QR13 4B063/QR16 4B063/QR32 4B063/QR35 4B063/QR48 4B063/QR74 4B063/QR77 4B063/QS39 4B063/QX01 2G045/BA14 2G045/BB14 2G045/BB20 2G045/BB24 2G045/BB50 2G045/BB51 2G045/FA16 2G045/FA19 2G045/FA34 2G045/GB03 2G045/GC15 2G054/AA08 2G054/AB10 2G054/BB08 2G054/BB13 2G054/CE02 2G054/EA03 2G054/FA17 2G054/FA19 2G054/FA50 2G054/FB10 2G054/GA04 2G054/GB02 4B024/GA11 4C084/AA01 4C084/AA13 4C084/AA14 4C084/AA17 4C084/BA08 4C084/BA23 4C084/BA35 4C084/BA44 4C084/CA62 4C084/DA01 4C084/DB01 4C084/DC01 4C084/NA13 4C084/ZB21 4C085/AA13 4C085/BA01 4C085/BB11 4C085/CC21 4C085/EE01 4C085/GG10 4C086/AA01 4C086/EA16 4C086/EA18 4C086/MA01 4C086/MA04 4C086/NA13 4C086/ZB21 4C087/AA01 4C087/BB63 4C087/BC30 4C087/BC83 4C087/CA04 4C087/CA12 4C087/NA13 4C087/ZB21 2G052/AA33 2G052/AB16 2G052/CA03 2G052/CA11 2G052/CA35 2G052/DA09 2G052/GA23 2G059/AA05 2G059/BB04 2G059/BB14 2G059/CC16 2G059/DD01 2G059/DD12 2G059/EE02 4B029/AA07 4B029/BB11 4B029/CC08 4B029/FA15 4B063/QA05 4B063/QQ21 4B063/QQ41 4B063/QQ61 4B063/QQ89 4B063/QS31 4B063/QS36 4B063/QX04 4B065/AA90 4B065/AC20 4B065/BA30 4B065/BC50 4B065/CA46 2G060/AA06 2G060/AC10 2G060/AF07 2G060/AG11 2G060/FA01 2G060/HC10 2G060/HC18 2G060/HD03 2G060/KA05 4B063/QA01 4B063/QQ91 4B063/QR51 2G045/FB05 4B029/BB20 4B029/CC02 4B033/NK10 4B063/QR01 4B063/QS07 4C053/BB13 4C053/BB24 4C053/BB31 4C053/BB32 4C053/HH02 4C053/HH03 4B063/QR41 4B063/QS28 4B065/AA89 4B065/BB40 4B065/BC01 4B065/BD21 4B065/CA44 2G045/AA24 2G045/DB07 2G045/FB04 2G045/GC18 2G045/GC20 2G054/CA21 4B063/QX02

JP F-Index: A61N1/32 C12N13/00 C12M1/42 C12N15/00@A C12N15/87@P C12N15/87@Z C12Q1/25 C12Q1/70 G01N33/15@Z G01N33/50@Z A61K31/74 A61K33/00 A61K35/12 A61K37/02 A61K37/48 A61K38/00 A61K38/19 A61K38/43 A61K39/00@A A61K39/395@A A61K45/00 A61K48/00 A61K50/00,100 A61P43/00,101 G01N21/78@C G01N33/86 C12M1/34@A C12N5/00@E C12N5/00,202@A C12N5/00,202@Z C12N5/07 C12N5/071 G01N1/00,101@G G01N21/27@C G01N21/41,101

PatBase - US6521430 BR

U.S. Patent Feb. 18, 2003 Sheet 1 of 7 US 6,521,430 B1



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JP Facet: ZNM

Family:

Publication number	Publication date	Application number	Application date	
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Probable Assignee: CELLECTRICON AB

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Inventor(s): ANDERS LUNDQVIST ; CECILIA FARRE ; CHIU DANIEL SEATTLE ; DANIEL T CHIU ; KERSTIN NOLKRANTZ ; PETER ERIKSSON

Agent(s): ADAM HOLGER ; ANDREW W ; CONLIN DAVID G ; CONLIN DAVID G ET AL ; DAVID C CONLIN ; DAVID G ; DIANNE M REES ; EDWARD AND ANGELL LLP ; EDWARDS AND ANGELL LLP ; EDWARDS ANGELL PALMER AND DODGE LLP ; EDWARDS WILDMAN PALMER LLP ; FETHERSTONHAUGH AND CO ; GRIFFITH HACK ; HOFFMANN EITL PATENT U RECHTSANWALTE PARTMBB ; JEFFREY L ; KOPACZ JEFFREY L ; KRAUS AND WEISERT PATENTANWALTE PARTGMBB ; LEHMANN MARIA ISABEL ; NILAUSEN KIM ; STEPHANA E

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 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 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 YU ZA ZM ZW

11) Family number: 29754885 (US2002045272 AA)

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Title: METHOD AND APPARATUS FOR THE DELIVERY OF SAMPLES TO A CHEMICAL SENSOR ARRAY

Abstract: A system for the rapid characterization of multi-analyte fluids, in one embodiment, includes a light source, a sensor array, and a detector. The sensor array is formed from a supporting member into which a plurality of cavities may be formed. A

series of chemically sensitive particles are, in one embodiment positioned within the cavities. The particles may be configured to produce a signal when a receptor coupled to the particle interacts with the analyte. Using pattern recognition techniques, the analytes within a multi-analyte fluid may be characterized.

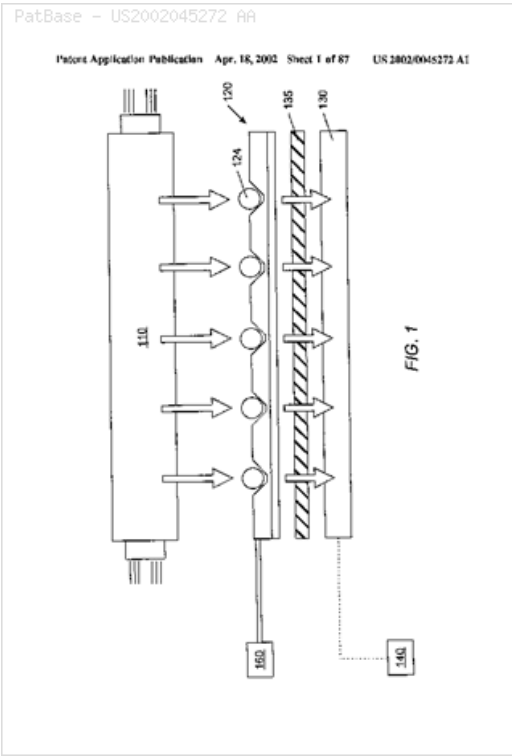
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International (IPC 1-7): C12M1/34 C12M1/40 C12Q1/68 G01N1/10 G01N21/25 G01N21/64 G01N21/77 G01N3/3543 G01N3/3545 G01N3/3551 G01N33/48 G01N33/53 G01N33/537 G01N33/543 G01N33/545 G01N33/551 G01N33/554 G01N33/569 G06F19/00 H01L21/00

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Assignee(s): (std): ANSLYN ERIC V ; MCDEVITT JOHN T ; NEIKIRK DEAN P ; SHEAR JASON B ; UNIV TEXAS

Assignee(s): BOARD OF REGENTS THE UNIVERSITY OF TEXAS SYSTEM ; BOARD OF REGENTS THE UNIVERSITY OF TEXAS SYSTEMS ; BOARD OF REGENTS UNIV ; BOARD OF REGENTS UNIV OF TEXAS SYSTEM ; BOARD OF REGENTS UNIV OF TEXAS SYSTEMS ; BOARD OF REGENTS UNIV TEXAS SYSTEM ; BOARD OF REGENTS UNIVERSITY ; BOARD OF UNIV ; BOARD OF UNIV OF TEXAS SYSTEM ; BOARD OF UNIV TEXAS SYSTEM ; NATIONAL INST ; NATIONAL INSTITUTES OF HEALTH ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; OF TEXAS SYSTEM UNIV ; THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM ; THE BOARD OF REGENTS THE UNIVERSITY OF TEXAS SYSTEM

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Agent(s): CASALONGA AXEL; DOSSMANN GERARD; ERIC B MEYERTONS; FULBRIGHT AND JAWORSKI LLP; GOUDREAU GAGE DUBUC; MEYERTONS HOOD KIVLIN KOWERT AND GOETZEL PC

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 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 MZ 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 UZ VN YU ZA ZW

12) Family number: 23414198 (US6066448 A)

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Title: MULTI-ARRAY, MULTI-SPECIFIC ELECTROCHEMILUMINESCENCE TESTING

Abstract: Materials and methods are provided for producing patterned multi-array, multi-specific surfaces which are electronically excited for use in electrochemiluminescence based tests. Materials and methods are provided for the chemical and/or physical control of conducting domains and reagent deposition for use in flat panel displays and multiply specific testing procedures.

Classifications:

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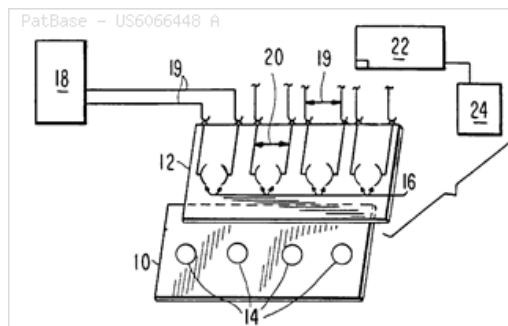
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JP Facet: ZNM

Family:

Publication number	Publication date	Application number	Application date
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Assignee(s): MESO SCALE TECHNOLOGIES LLC GAITHERSBURG ; MESO SCALE TECHNOLOGIES LLC SERVICE CO CORP ; MESO SCALE TECHNOLOGIES LLC SERVICE CO WILMINGTON DELAWARE CORP ; MESO SCALE TECHNOLOGIES LLC SERVICECOMPANY CORP ; SIGNAL GEORGE

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Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GN GR HU IE IL 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 TG TJ TM TR TT UA UG UZ VN YU ZW

13) Family number: 43236044 (US6030581 A)

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Title: Laboratory in a disk

Abstract: An apparatus is described that includes an optical disk, adapted to be read by an optical reader, comprising a first sector having substantially self-contained assay means for localizing an analyte suspected of being in a sample to at least one, predetermined location in the first sector and a second sector containing control means for conducting the assay and analyte location information, with respect to one or more analytes suspected of being in a sample, accessible to the reader, wherein the presence or absence of the analyte at said location is determinable by the reader using the control means and the location information. Depending on the nature of the assay, the disk will include fluid storage means, fluid transfer means, such as one or more capillary ducts, valves, batteries, dialyzers, columns, filters, sources of electric fields, wires or other electrical conductive means such as metallic surface deposits and the like.

Classifications:

International (ipc 8-9): B01L3/00 C12Q1/68 G01N21/00 G01N21/64 G01N21/75 G01N33/483 G01N33/487 G01N33/50 G01N33/543 G01N35/00 G01N35/02 G01N37/00 G11B7/013 G11B7/24

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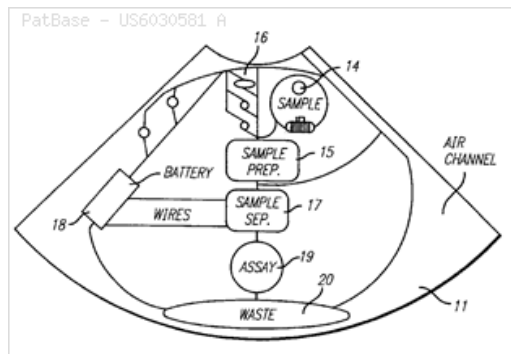
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JP F-Term: 2G045 2G058 2G045/AA01 2G045/AA24 2G045/AA25 2G045/AA26 2G045/AA28 2G045/BB02 2G045/BB05 2G045/BB14 2G045/CA25 2G045/CB01 2G045/CB02 2G045/CB21 2G045/DA12 2G045/DA13 2G045/DA20 2G045/DA69 2G045/FA11 2G045/FA12 2G045/FA26 2G045/FA27 2G045/FA29 2G045/FB01 2G045/FB02 2G045/FB03 2G045/FB04 2G045/FB05 2G045/FB06 2G045/FB12 2G045/FB13 2G045/FB15 2G045/GC10 2G045/GC18 2G045/HA02 2G045/HA09 2G045/HA14 2G045/JA01 2G045/JA07 2G045/JA08 2G058/AA05 2G058/AA09 2G058/BA06 2G058/BA07 2G058/BA08 2G058/BB02 2G058/BB05 2G058/BB12 2G058/BB14 2G058/BB27 2G058/CE01 2G058/CF02 2G058/DA01 2G058/DA02 2G058/DA05 2G058/DA07 2G058/DA09 2G058/EA14 2G058/EB00 2G058/EC07 2G058/FA07 2G058/GA06 2G058/GA12

JP F-Index: G01N33/483@C G01N35/00@D G01N35/02@Z G01N37/00,101

Family:

Publication number	Publication date	Application number	Application date
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Priority:

US19970039419P 19970228 WO1998US04377 19980227 US19980064636 19980421
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Probable Assignee: VINDUR TECHNOLOGIES INC

Assignee(s): (std): BURSTEIN LAB ; BURSTEIN LAB INC ; BURSTEIN LAB INC IRVINE ; BURSTEIN TECHNOLOGIES INC ; VIRTANEN JORMA

Assignee(s): BURSTEIN LABORATORIES ; BURSTEIN LABORATORIES INC ; BURSTEIN LABORATORIES INC IRVINE KALIFORNIA ; BURSTEIN LABORITORIES INC ; GOLDSTEIN ELLIOT ; NAGAOKA AND CO LTD ; VINDUR TECHNOLOGIES INC

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Inventor(s): J VIRTANEN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SANFORD TCOLB AND CO; SMART AND BIGGAR

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL 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 ZW

14) Family number: 31983771 (US6254827 BA)

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Title: METHODS FOR FABRICATING MULTI-COMPONENT DEVICES FOR MOLECULAR BIOLOGICAL ANALYSIS AND DIAGNOSTICS

Abstract: A method for manufacturing a multicomponent flip-chip device is disclosed. The device includes a chip disposed adjacent to a substrate, the substrate including a via therethrough. The device is adapted to receive a fluid to be placed on the substrate, wherein the fluid then flows through the via down to the chip. The chip includes a sealant free region and a sealant receiving region. The method includes the steps of placing a chip adjacent to a substrate. Light is exposed to the substrate and through the via, down onto the surface of the chip. A light-curable, wickable sealant is applied to the interface between the substrate and the chip, wherein the light at least partially cures the sealant to preclude the sealant from flowing to the sealant free region. Additional curing of sealant may also be performed.

Classifications:

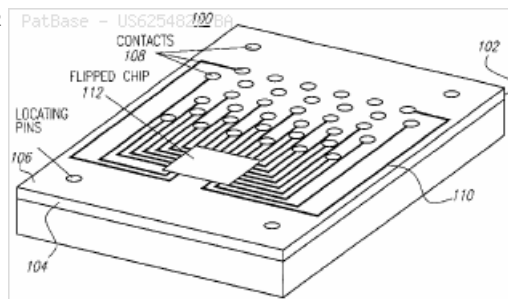
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International (IPC 1-7): G01N1/506 G01N15/06

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B01J2219/00605 B01J2219/00617 B01J2219/00626 B01J2219/00637
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Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: GAMIDA FOR LIFE BV

Assignee(s): (std): NANOGEN INC

Assignee(s): ELITECH HOLDING BV ; GAMIDA FOR LIFE BV ; PORTSIDE GROWTH AND OPPORTUNITY FUND AS COLLATERAL ; PORTSIDE GROWTH AND OPPORTUNITY FUND COLLATERAL AG ; PORTSIDE GROWTH AND OPPORTUNITY FUND COLLATERAL AGENT AS

Inventor(s): (std): ACKLEY DONALD E ; LECLAIR TIMOTHY L ; SWANSON PAUL D

Inventor(s): DONALD E ACKLEY ; PAUL D SWANSON ; TIMOTHY L LECLAIR

Agent(s): LYON AND LYON LLP

15) Family number: 31488994 (US2005019956 AA)

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Title: OPTICAL SENSOR AND METHODS FOR MEASURING MOLECULAR BINDING INTERACTIONS

Abstract: Methods and devices for the measurement of molecular binding interactions. Preferred embodiments provide real-time measurements of kinetic binding and disassociation of molecules including binding and disassociation of protein molecules with other protein molecules and with other molecules. In preferred embodiments ligands are immobilized within pores of a porous silicon interaction region produced in a silicon substrate, after which analytes suspended in a fluid are flowed over the porous silicon region. Binding reactions occur when analyte molecules diffuse closely enough to the ligands to become bound. Preferably the binding and subsequent disassociation reactions are observed utilizing a white light source and thin film interference techniques with spectrometers arranged to detect changes in indices of refraction in the region where the binding and disassociation reactions occur. In preferred embodiments both ligands and analytes are delivered by computer controlled robotic fluid flow control techniques to the porous silicon interaction regions through microfluidic flow channels.

Classifications:

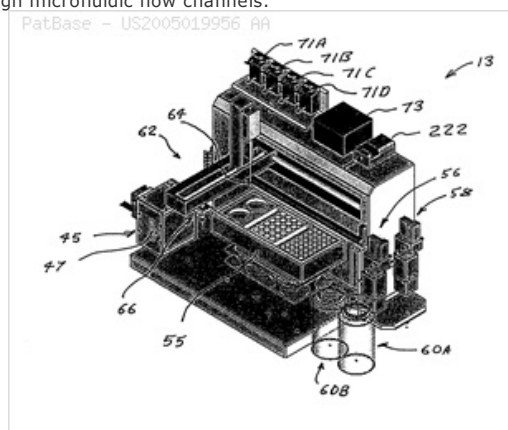
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C12M1/34 C12M3/00 C12Q1/68 C30B33/00 C40B50/14 C40B50/18
G01N21/25 G01N21/75 G01N21/77 G01N21/84 G01N33/48 G01N33/53
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702/19S 707/104.1 707/999.107 707/999.107S 707/E17.127 707/E17.127S 717/114 717/114P



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