

1) Family number: 49087004 (US2012237997A)

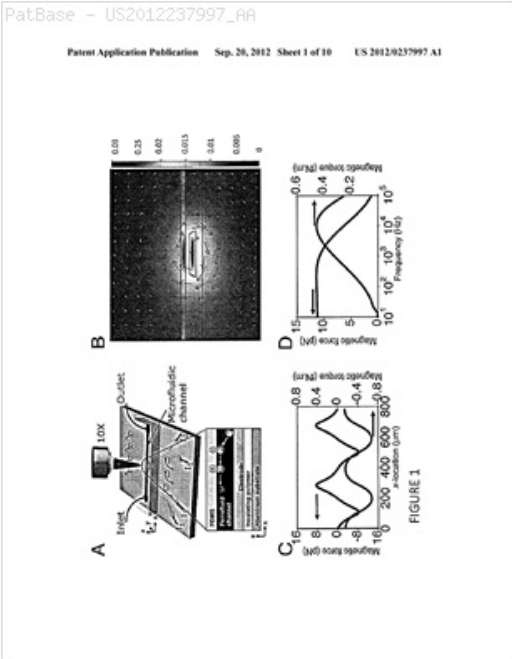
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Title: LABEL-FREE CELLULAR MANIPULATION AND SORTING VIA BIOCOMPATIBLE FERROFLUIDS

Abstract: A device for separating a sample of cells suspended in a bio-compatible ferrofluid is described. The device includes a microfluidic channel having a sample inlet, at least one outlet and a length between the same inlet and the at least one outlet, wherein a sample can be added to the sample inlet and flow along the microfluidic channel length to the at least one outlet. The device includes a plurality of electrodes and a power source for applying a current to the plurality of electrodes to create a magnetic field pattern along the microfluidic Channel length. The present invention also includes a method of using said device for separating at least one cell type.

Classifications:

International (IPC 8-9): B01D57/02 B01L3/00 B03C1/023 B03C1/033 B03C1/23 B03C1/253 B03C1/28 B03C1/32 B81B1/00 B81B7/00 C12M1/00 C12M1/42 C12N1/00 C12N13/00 C12Q1/24 G01N1/34 G01N15/02 G01N15/10 G01N15/14 G01N21/00 G01N27/02 G01N27/22 G01N27/26 G01N27/327 G01N27/447 G01N27/74 G01N33/00 G01N33/483 G01N33/49 G01N35/08 G01N37/00 (Advanced/Invention); B01D35/06 G01N15/00 (Advanced/Non-invention)
CPC: B01D57/02 B03C1/23 B01L3/502715 B01L3/50273 B01L2200/0636 G01N15/1056 C12N13/00 C12M47/04 B01L2300/06 B01L2300/0848 G01N2015/1081 G01N2015/1006 G01N2015/0065 B03C1/023 B01L3/502753 B01L3/502761 B01L2200/0652 B01L2300/0816 B01L2400/0415 B01L2400/043 B03C1/0335 B03C1/253 B03C1/288 B03C1/32 B03C2201/18 B03C2201/24 B03C2201/26 G01N15/1404 G01N27/44786
European: B01L3/5027G B01L3/5027H B03C1/033C B03C1/24 B03C1/253 B03C1/28K G01N15/14C G01N27/447C6 L01L200/0632 L01L300/08B4 L01L400/04F6 L01L400/04F8 L03C201/18 L03C201/24 L03C201/26
US: 1/1 204/451 204/554 204/601 209/39 210/695 422/527 422/73 435/173.9 435/283.1
JP F-Term: 2G045 2G045/AA25 2G045/DA80 2G045/FA34 2G045/GC17 2G049 2G053 2G053/BA08 2G053/BB10 2G053/BB11 2G053/BC02 2G058 2G060 2G060/AA07 2G060/AA15 2G060/AD06 2G060/AF06 2G060/AF10 2G060/AG06 2G060/AG10
JP F-Index: G01N15/02/F G01N15/14/C G01N27/02/D G01N27/22/B G01N27/74 G01N33/483/E G01N37/00/101



Family:

Publication number	Publication date	Application number	Application date
AU2011320908 AA	20120503	AU20110320908	20110607
AU2015268583 AA	20160107	AU20150268583	20151208
AU2015268583 BB	20170615	AU20150268583	20151208
AU2017208317 AA	20170817	AU20170208317	20170727
CA2785681 AA	20110616	CA20102785681	20101207
CA2785681 C	20190319	CA20102785681	20101207
CA2814972 AA	20130417	CA20112814972	20110607
CA2814972 C	20190122	CA20112814972	20110607
CN103403557 A	20131120	CN201180063125	20110607
CN103403557 B	20141224	CN201180063125	20110607
CN104535783 A	20150422	CN201410665879	20110607
CN104535783 B	20170524	CN201410665879	20110607
EP2510351 A1	20121017	EP20100836542	20101207
EP2510351 A4	20180110	EP20100836542	20101207
EP2633330 A1	20130904	EP20110836778	20110607
EP2633330 A4	20180110	EP20110836778	20110607
IN04222DN2013 A	20160513	IN2013DN04222	20130510
IN05808DN2012 A	20131206	IN2012DN05808	20120629
JP2014500949 T2	20140116	JP20130536608T	20110607
JP5809282 B2	20151110	JP20130536608T	20110607
US2012237997 AA	20120920	US20100514331	20101207
US2013313113 AA	20131128	US20110882013	20110607
US2015151299 AA	20150604	US20150591492	20150107
US2016266026 AA	20160915	US20160163890	20160525
US2018128729 AA	20180510	US20170670264	20170807
US8961878 BB	20150224	US20100514331	20101207
US9352317 BB	20160531	US20150591492	20150107
US9726592 BB	20170808	US20160163890	20160525

US9999855 BB	20180619	US20110882013	20110607
WO11071912 A1	20110616	WO2010US59270	20101207
WO12057878 A1	20120503	WO2011US39516	20110607

Priority:

US20090267163P	20091207	US20100407738P	20101028	WO2010US59270	20101207
US20100514331	20101207	AU20110320908	20110607	CN201180063125	20110607
WO2011US39516	20110607	US20110882013	20110607	US20120514331	20120607
US20150591492	20150107	AU20150268583	20151208	US20160163890	20160525
AU20170208317	20170727	US20170670264	20170807		

Probable Assignee: YALE UNIV

Assignee(s): (std): UNIV YALE ; UNIV YALE INC ; KOSER HUR ; YALE UNIVERISTY ; YALE UNIV INC

Assignee(s): NATIONAL SCIENCE FOUNDATION ; YALE UNIVERSITY ; YALE UNIV

Inventor(s): (std): KOSER HUR ; HUR KOSER

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; SPRUSON AND FERGUSON; RIDOUT AND MAYBEE LLP; IRELAND JACQUELINE FRANCES; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO LLP; RIVERSIDE LAW LLP; SILVA DOMINGOS ET AL; RABINOVITCH IDO ET AL

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

2) Family number: 45962004 (US2010178197A)

PatBase

Title: COMPOSITION AND METHOD FOR REDUCING WHITE RUST CORROSION IN INDUSTRIAL WATER SYSTEMS

Abstract: This invention provides a novel, synergistic composition and method for reducing corrosion, particularly white rust corrosion, on galvanized metal surfaces in industrial water systems. The composition is a synergistic blend and preferably comprises from about 0 to about 10 weight percent of an amine-based white rust corrosion reducer and from about 10 to about 90 weight percent of a benzotriazole. In a method for using the synergistic blend, an effective amount of the blend is introduced onto the galvanized metal surface to form a barrier on the surface. After one or more time intervals, the composition is optionally overlaid onto the initial barrier by reintroducing an effective amount of the composition onto the galvanized metal surface.

Classifications:

International (IPC 8-9): B05D1/02 B05D1/36 C02F5/12 C09D5/08 C23F11/00 C23F11/08 C23F11/10 C23F11/12 C23F11/14 C23F11/167

C23F14/02 (Advanced/Invention);

B05D1/02 B05D1/36 C02F5/10 C09D5/08 C23F11/08 C23F11/10

C23F14/00 (Core/Invention);

C23F11/12 C23F11/14 C23F11/167 (Core/Non-invention)

International (IPC 1-7): C23F11/08 C23F11/10 C23F11/14 C23F14/02

CPC: C02F5/125 C02F2303/08 C23F11/10 C23F11/173 C23F14/02

European: C02F5/12B C23F11/10 C23F11/173 C23F14/02 M02F303/08

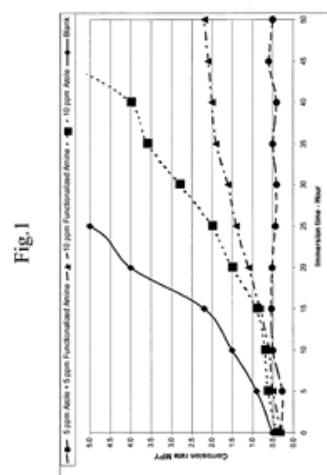
US: 106/14.42 106/14.420S 252/387 252/388 252/390 252/394 422/15

422/15P 422/16 422/16S 422/7 422/7S 427/402 427/402S 427/427.7

427/427.700S 427/435 427/435S

PatBase - US2010178197_AH

Patent Application Publication Jul. 15, 2010 US 2010/0178197 A1



Family:

Publication number	Publication date	Application number	Application date
AR075130 AA	20110309	AR2010P100054	20100111
TW201026899 A	20100716	TW20090144639	20091224
US2010178197 AA	20100715	US20090352768	20090113
US8585964 BB	20131119	US20090352768	20090113
WO10083112 A1	20100722	WO2010US20579	20100111

Priority:

US20090352768 20090113

Probable Assignee: ECOLAB USA INC

Assignee(s): (std): KIM TOM ; LU FRANK FUN YUEE ; NALCO CO ; SOTOUDEH KAVEH ; SPRAGUE SHERMAN J ; SPRAGUE SHERMAN

Assignee(s): NALCO COMPANY ; BANK OF AMERICA NA COLLATERAL AGENT AS ; ECOLAB USA INC ; NALCO CO LLC

Inventor(s): (std): KIM TOM ; LU FRANK FUN YUEE ; SOTOUDEH KAVEH ; SPRAGUE SHERMAN ; SPRAGUE SHERMAN J

Inventor(s): LU, FRANK FUN-YUEE

Agent(s): NALCO COMPANY; NALCO CO; ANDREW D; EDWARD O; YONTER EDWARD O ET AL

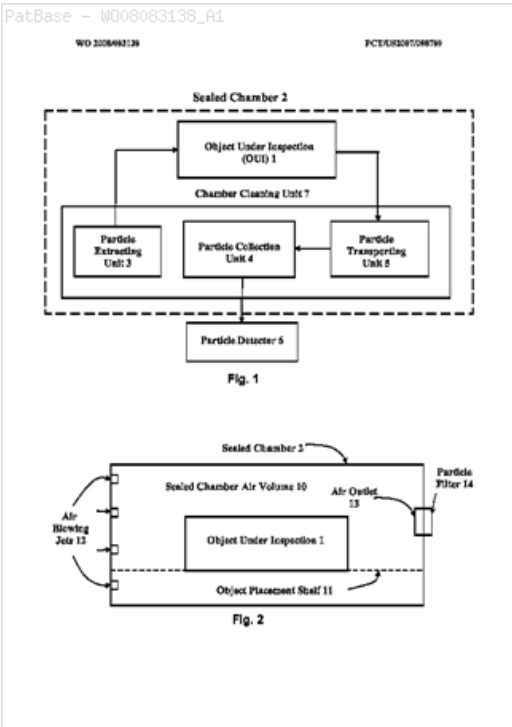
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ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

3) Family number: 42001011 (WO08083138A1) © PatBase

Title: METHOD AND APPARATUS FOR TRACE COLLECTION

Abstract: A trace particle extraction system, comprising a chamber, having an object inspection region. At least one object is placed in the object inspection region, and subjected to gas flows or various types, which seek to disengage particles from the object and suspend them in the gas flow. The particles may be analyzed within the chamber, or transported externally for analysis. Preferably, the particles are concentrated before analysis.

Classifications:
International (IPC 8-9): G01N21/75 G01N33/22 (Advanced/Invention);
G01N21/75 G01N33/22 (Core/Invention)
CPC: G01N1/02 G01N1/2211 G01N2001/022 G01N2001/028
European: G01N1/02 G01N1/22B5 S01N1/02D S01N1/02S



Family:

Publication number	Publication date	Application number	Application date
IL180414 A0	20071203	IL20060180414	20061228
WO08083138 A1	20080710	WO2007US88789	20071224

Priority:

IL20060180414 20061228

Probable Assignee: TRACEGUARD TECHNOLOGIES LTD

Assignee(s): (std): ORNATH ROY ; PERLBERG GIL ; ROACH ROBERT ; SHAMASH STEVEN ; SHEMESH OFFER ; TRACEGUARD TECHNOLOGIES INC ; TSACH YARDEN ; ZCHOUT RAFI ; TRACEGUARD TECHNOLOGIES LTD

Inventor(s): (std): ORNATH ROY ; PERLBERG GIL ; ROACH ROBERT ; SHAMASH STEVEN ; SHEMESH OFFER ; TSACH YARDEN ; ZCHOUT RAFI

Agent(s): HOFFBERG STEVEN

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 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 ZA ZM ZW

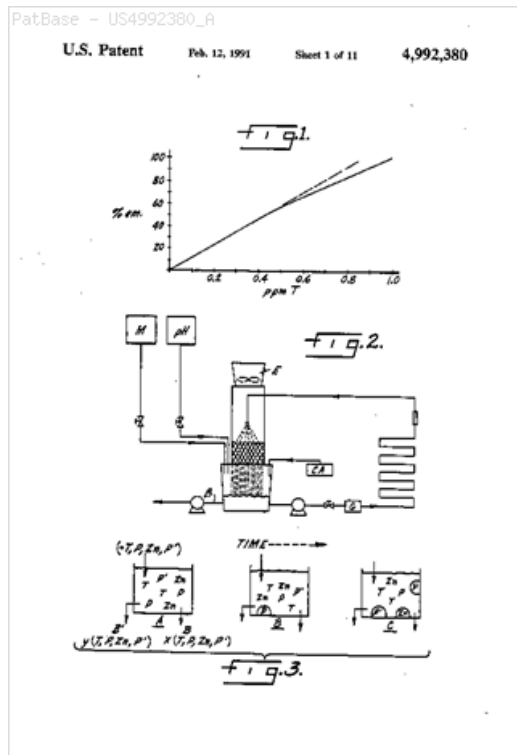
4) Family number: 4459014 (US4992380A) © PatBase

Title: CONTINUOUS ON-STREAM MONITORING OF COOLING TOWER WATER

Abstract: The performance of a treating agent added to a body of water employed in a cooling tower is continuously monitored by real-time analysis of a spectral or chemical characteristic of an inert tracer proportioned to the treating agent, said characteristic being indicative of tracer concentration, and converted to a voltage analog. The voltage analog is compared to a monitor value representing par performance and if performance is nonstandard (nonpar) a signal is generated which alters the output of a pump which feeds the dosage of treating agent containing proportioned tracer.

Classifications:
International (IPC 8-9): C23F11/00 F28F19/01 F28F27/00 F28G13/00

G01N33/18 (Advanced/Invention);
C23F11/00 F28F19/00 F28F27/00 F28G13/00 G01N33/18 (Core/Invention)
International (IPC 1-7): B01D5/00 C23F11/00 F28C1/00 F28F19/01
F28F27/00 F28G13/00 G01N33/18 G01N35/08
CPC: F28F19/00 F28F25/00 G01N33/1893 Y10T436/12 F28F27/003
F28F2025/005
European: G01N33/18Q
US: 422/62 422/82.02 436/147 436/150 436/164 436/55
JP F-Term: 3L066 3L067 3L108 4K062 4K062/AA03 4K062/BB06
4K062/BB16 4K062/BB18 4K062/BB21 4K062/BB25 4K062/CA10
4K062/FA04 4K062/FA05 4K062/FA06 4K062/FA20 4K062/GA10
JP F-Index: C23F11/00/Z F28F19/00/501/A F28F19/00/511/A
F28F27/00/501/Z F28G13/00/A



Family:

Publication number	Publication date	Application number	Application date
AT104435 E	19940415	AT19890116987T	19890913
BRPI8905215 A	19900515	BR1989PI05215	19891013
CA1334772 A1	19950314	CA19890602270	19890609
DE68914581 D1	19940519	DE19896014581	19890913
DE68914581 T2	19941110	DE19896014581T	19890913
DE68914581 T3	20000113	DE19896014581T	19890913
EP0365815 A1	19900502	EP19890116987	19890913
EP0365815 B1	19940413	EP19890116987	19890913
EP0365815 B2	19990804	EP19890116987	19890913
ES2055771 T3	19940901	ES19890116987T	19890913
ES2055771 T5	19991001	ES19890116987T	19890913
GR3031757 T3	20000229	GR19990402848T	19991104
JP2115697 A2	19900427	JP19890179200	19890713
JP2771611 B2	19980702	JP19890179200	19890713
US4992380 A	19910212	US19880258131	19881014

Priority:

US19880258131 19881014 CA19890602270 19890609 EP19890116987 19890913

Probable Assignee: ECOLAB USA INC

Assignee(s): (std): NALCO CHEMICAL CO

Assignee(s): ONDEO NALCO CO ; NALCO CO ; NARUKO CHEM CO ; NALCO CHEMICAL COMPANY ; NALCO CHEMICAL CO NAPERVILLE ILL ; NALCO CHEMICAL CO NAPERVILLE ILL US ; NALCO CHEMICAL CO NAPERVILLE ; NALCO CHEMICAL CO A CORP OF DE ; NALCO CO LLC ; CITICORP NORTH AMERICA INC ; CITICORP NORTH AMERICA INC ADMINISTRATIVE AGENT AS ; ECOLAB USA INC ; HICKEY JAMES J ; HOOTS JOHN E ; HOY WAYNE H ; JOHNSON DONALD A ; MORIARTY BARBARA E ; NALCO CHEM CO

Inventor(s): (std): HICKEY JAMES J ; HOY WAYNE H ; JOHNSON DONALD A ; MORIARTY BARBARA E ; UEIN EICHI HOI ; JIYON II FUUTSU ; JIEEMUSU JIEI HITSUKII ; DONARUDO EE JIYONSON ; BAABARA II MORIATEI ; HOOTS JOHN E

Inventor(s): HOOTS JOHN E ST CHARLES IL 60174 ; HOOTS JOHN E ST CHARLES IL 60174 US ; MORIARTY BARBARA E NAPERVILLE IL 60540 ; MORIARTY BARBARA E NAPERVILLE IL 60540 US ; WAYNE H HOY ; JOHNSON DONALD A BATAVIA IL 60510 ; JOHNSON DONALD A BATAVIA IL 60510 US ; JON II FUUTSU ; HOY WAYNE H BURBANK IL 60459 ; HOY WAYNE H BURBANK IL 60459 US ; JAMES J HICKEY ; JEEMUSU JEI HITSUKII ; JOHN E HOOTS ; HICKEY JAMES J PALOS HEIGHTS IL 60463 ; HICKEY JAMES J PALOS HEIGHTS IL 60463 US ; BARBARA E MORIARTY ; DONALD A JOHNSON ; DONARUDO EE JONSON

Agent(s): SMART AND BIGGAR

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

5) Family number: 30493014 (US2002146839A)

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Title: MULTICAPILLARY FRACTION COLLECTION SYSTEM AND METHOD

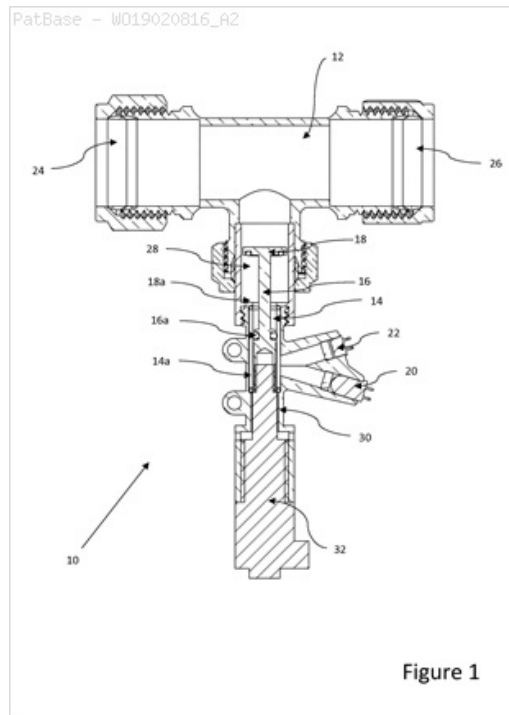
Abstract: A method of injecting, isolating and separating mixed analytes from one or more samples. The method includes collecting successive fractions from each of a plurality of samples at discrete points in time. Fractions may be analyzed at the time

the sample chamber and thereby making a determination as to whether or not the level of (15) the selected chemical in the water is greater than a predetermined threshold level.

Classifications:

International (IPC 8-9): C02F1/68 F24D19/00 G01N21/33 G01N21/53 G01N21/64 G01N33/18 (Advanced/Invention)

CPC: G01N33/182 F24D19/0092 G01N21/64 G01N33/18 G01N21/33 G01N21/534 C02F1/686 G01N2021/152 G01N2201/1288



Family:

Publication number	Publication date	Application number	Application date
GB201712175 A0	20170913	GB20170012175	20170728
GB201802730 A0	20180404	GB20180002730	20180220
GB2565061 A1	20190206	GB20170012175	20170728
GB2565173 A1	20190206	GB20180002730	20180220
WO19020816 A2	20190131	WO2018EP70497	20180727
WO19020816 A3	20190404	WO2018EP70497	20180727

Priority:

GB20170012175 20170728

Probable Assignee: ADEY HOLDINGS 2008 LTD

Assignee(s): (std): ADEY HOLDINGS 2008 LTD

Inventor(s): (std): DOWNIE SIMON ; JASSAL MUKASH ; MUKASH JASSAL ; SIMON DOWNIE

Agent(s): NOBLE FREDERICK

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 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

7) Family number: 30321018 (US2003077817A)

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Title: MICROFERMENTOR DEVICE AND CELL BASED SCREENING METHOD

Abstract: A microfermentor device that can be used for a wide variety of purposes is described. The microfermentor device includes one or more cell growth chambers having a volume of less than 1 ml. The microfermentor device can be used to grow cells used for the production of useful compounds, e.g., therapeutic proteins, antibodies or small molecule drugs. The microfermentor device can also be used in various high-throughput screening assays. For example, the microfermentor device can be used to screen compounds to assess their effect on cell growth and/or a normal or abnormal biological function of a cell and/or their effect on the expression of a protein expressed by the cell. The device can also be used to investigate the effect of various environmental factors on cell growth, biological function or production of a cell product. The device, including various controlling components and sensing components can be microfabricated on a support material.

Classifications:

International (IPC 8-9): B01D B01D69/02 B01D69/10 B01D69/12 B01D71/26 B01D71/28 B01D71/32 B01D71/70 B01J B01J19/00 B01L3/00 C12M C12M1/00 C12M1/04 C12M1/12 C12M1/34 C12M1/36 C12M3/00 C12M3/06 C12N5/06 C12Q1/00 C12Q1/02 C12Q1/04 C12Q1/18 C12Q1/20 G01N21/01 G01N21/77 G01N33/15 G01N33/487 G01N33/50 G01N33/543 G01N33/84 (Advanced/Invention); C12R1/91 C40B60/14 G01N21/47 G01N21/63 G01N21/64 (Advanced/Non-invention); B01D69/00 B01D71/00 B01J19/00 B01L3/00 C12M1/00 C12M1/04 C12M1/34 C12M1/36 C12M3/00 C12M3/06 C12N5/06 C12Q1/02 C12Q1/04 C12Q1/18 G01N21/01 G01N21/77 G01N33/15 G01N33/487 G01N33/50 G01N33/543 G01N33/84 (Core/Invention); C40B60/14 G01N21/47 G01N21/63 G01N21/64 (Core/Non-invention);

C12N (Subclass/Invention)

International (IPC 1-7): B01D69/02 B01D69/10 B01D69/12 B01D71/26 B01D71/28 B01D71/32 B01D71/70 B01J19/00 C12M1/00 C12M1/04 C12M1/12 C12M1/34 C12M3/00 C12N C12N5/06 C12Q1/00 C12Q1/02 C12Q1/04 C12Q1/18 C12Q1/20 G01N21/01 G01N33/15 G01N33/487 G01N33/50 G01N33/543

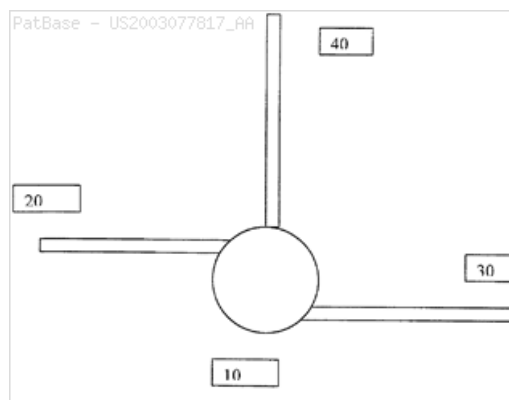
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European: B01D69/02 B01D69/12 B01J19/00R B01L3/5027 B01L3/5027A B01L3/5027B C12M1/12 C12M23/12 C12M23/16 C12M23/22 C12M23/24 C12M25/02 C12M29/04 C12M41/12 C12M41/26 C12M41/32 C12M41/34 C12M41/36 C12M41/40 C12Q1/02 G01N21/77B G01N33/50D G01N33/543K2 G01N33/84 L01J219/00C10B16B L01J219/00C2B4D2B L01J219/00C6P2 L01J219/00R18B L01J219/00R2 L01J219/00R22B2B L01J219/00R22B4F L01J219/00R8P L01L200/02C L01L200/02E L01L200/06J8 L01L200/12 L01L3/5025 L01L3/5027C L01L300/06B6 L01L300/08B12 L01L300/08B4 L01L300/08E L01L300/08E10 L01L300/08E8 L01L300/08F L01L300/10 L01L300/12 L01L300/16A2 L01L300/18C L01L400/04F18 L01L400/04M8 L01L400/08P2 M40B60/14 S01N21/03K S01N21/47 S01N21/63G S01N21/64 S01N21/64P8 S01N21/77B

US: 435/286.1 435/286.100P 435/286.6 435/286.600S 435/288.3 435/288.300S 435/288.4 435/288.400S 435/288.5 435/288.500P 435/288.500S 435/288.7 435/288.700P 435/288.700S 435/29 435/293.1 435/293.100S 435/297.1 435/297.100P 435/297.2 435/297.200P 435/297.200S 435/297.5 435/297.500P 435/297.500S 435/29P 435/3 435/305.2 435/305.200P 435/305.200S 435/305.3 435/305.300S 435/325 435/325S 435/33 435/33S 435/34 435/34S 435/375 435/375S 435/395 435/395S 435/3S 435/401 435/401S 435/818 435/818S 506/14 506/14P 506/33 506/33S 506/43 506/43P

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JP F-Index: C12M1/34/B C12Q1/04 G01N33/15/Z G01N33/50/Z B01D69/02 B01D69/10 B01D69/12 B01D71/26 B01D71/28 B01D71/32 B01D71/70/500 C12M1/04 C12N5/00/E C12N5/00/202/A C12N5/071 C12M1/00/A B01J19/00/321 C12Q1/02



Family:

Publication number	Publication date	Application number	Application date
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AU2002303311 BB	20070125	AU20020303311	20020410
AU2003237427 AA	20031222	AU20030237427	20030605
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HK1074415 A1	20051111	HK20050107056	20050816
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US2006270025 AA	20061130	US20060500573	20060807
US2007037244 AA	20070215	US20060584149	20061020
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WO03103813 A2	20031218	WO2003US17816	20030605
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WO03104384 A1	20031218	WO2003US18240	20030605
WO03104384 B1	20040226	WO2003US18240	20030605
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Priority:

US20010282741P	20010410	AU20020303311	20020410	JP20020582191	20020410
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Probable Assignee: BIOPROCESSORS CORP

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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 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

8) Family number: 32879021 (WO06047299A2)

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Title: ORGANOTYPIC SLICE CULTURES AND USES THEREOF

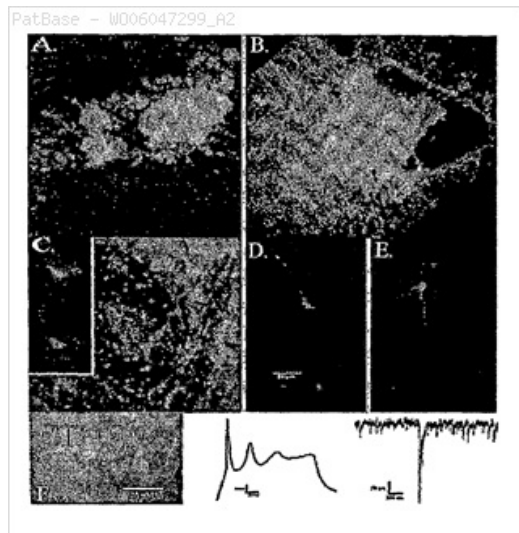
Abstract: The slice culture system allows for the long term survival of both mouse and rat sagittal sections. These sections can be kept viable for periods longer than 6 weeks in culture. Slice culture model systems provide a unique opportunity to monitor and lesion brain circuits in a dish. and cells can be tracked in real time. In addition, cell differentiation can be observed within these slices and the effects of morphogenetic proteins, e.g. extracellular matrix molecules, drugs or small molecules can be observed. This unique culture system provides a useful new method for screening cell and molecular therapies for neurodegenerative diseases.

Classifications:

International (IPC 8-9): C12N5/0793 G01N33/536 (Advanced/Invention); C12N5/0793 G01N33/536 (Core/Invention)

CPC: C12N5/0619 C12N2501/10 C12N2501/115 C12N2501/41 C12N2503/00 C12N2503/02 C12N2506/02 C12N2501/119

European: C12N5/06B8A M12N501/100 M12N501/115 M12N501/119 M12N501/410 M12N503/00 M12N503/02 M12N506/02



Family:

Publication number	Publication date	Application number	Application date
W006047299 A2	20060504	WO2005US37924	20051021
W006047299 A3	20090409	WO2005US37924	20051021

Priority:

US20040621237P 20041022

Probable Assignee: UNIV FLORIDA

Assignee(s): (std): SCHEFFLER BJORN ; STEINDLER DENNIS ; UNIV FLORIDA ; KEARNS SEAN M

Assignee(s): OF FLORIDA RESEARCH FOUNDATION INC UNIV ; FLORIDA RESEARCH FOUNDATION INC UNIV ; UNIVERSITY OF FLORIDA RESEARCH FOUNDATION INC

Inventor(s): (std): KEARNS SEAN M ; SCHEFFLER BJORN ; STEINDLER DENNIS

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 KP KR KZ LC 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

9) Family number: 59417034 (US2016296692A)

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Title: SYSTEM AND METHOD FOR MEDICAL FLUID IDENTIFICATION AND VERIFICATION

Abstract: A system for injecting fluid to a patient is provided. The system provides manual or automatic verification and identification of the fluid to be injected, prior to, during or after injection. The system includes: a fluid having at least one active compound and at least one tracer compound; an injector configured to deliver the fluid to the patient through a fluid path set; at least one sensor coupled to at least one of the syringe, the injector, or the patient, configured to measure at least one property of the tracer in the fluid, and a feedback path to adjust at least one injection parameter of the injector based on at least one measurement from the at least one sensor.

Classifications:

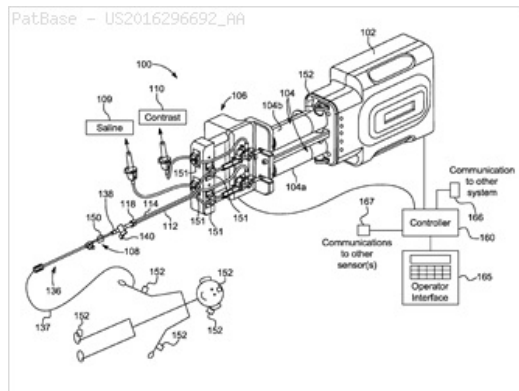
International (IPC 8-9): A61M5/00 A61M5/172

A61M5/315 (Advanced/Invention)

CPC: A61M5/1723 A61M2005/1403 A61M2205/3306 A61M2205/3334

A61M5/007 A61M2205/60 A61M2205/6063

US: 600/432



Family:

Publication number	Publication date	Application number	Application date
EP3046607 A1	20160727	EP20140865563	20141125
EP3046607 A4	20170607	EP20140865563	20141125
US2016296692 AA	20161013	US20140038493	20141125
WO15081109 A1	20150604	WO2014US67435	20141125

Priority:

US20130909109P 20131126

US20140038493 20141125

WO2014US67435 20141125

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER AG ; BAYER HEALTHCARE LLC ; BAYER MEDICAL CARE INC

Inventor(s): (std): AGRIS III JACOB ; AGRIS JACOB ; SCHRIVER RALPH H ; SPOHN MICHAEL A ; UBER ARTHUR E ; UBER III ARTHUR E ; ZAPATKA EVELINA

Agent(s): BROWNE ROBIN FORSYTHE; KENT JOSEPH L 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

10) Family number: 28630034 (US2003102214A)

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Title: USE OF LIQUID JUNCTION POTENTIALS FOR ELECTROPHORESIS WITHOUT APPLIED VOLTAGE IN A MICROFLUIDIC CHANNEL

Abstract: This invention provides methods for using liquid junction potentials to control the transport of charged particles in fluid streams that are in laminar flow within microfluidic channels. Applications of the methods of this invention include sample preconditioning (removal of interfering substances), electrophoretic separation (fractionation) of charged particles, enhanced or delayed mixing of charged particles across a fluid interface relative to diffusion only, focusing charged particles in a fluid stream in one or two dimensions, and concentration of charged reactants at a fluid interface.

Classifications:

International (IPC 8-9): B01D17/00 B01F13/00 B01L3/00 C07K1/26

G01N15/10 G01N27/447 G01N35/08 (Advanced/Invention);

B01D17/00 B01F13/00 B01L3/00 G01N15/10 G01N27/447

G01N35/08 (Core/Invention)

International (IPC 1-7): G01N27/26

CPC: B01F13/0076 B01F13/0093 B01F2005/0031 B01F2215/0431

B01F2215/0459 B01J2219/00912 B01L2200/0636 B01L2200/0647

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Y10T436/118339

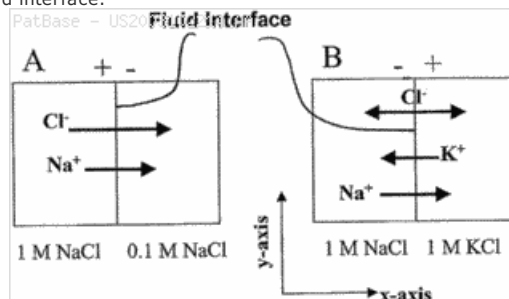
European: B01F13/00M B01F13/00M6A B01F13/00M6I B01L3/00C6M18B

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L01F215/04F4J L01F5/00A14B L01J219/00R18F L01L200/06G L01L200/06J

US: 204/450 204/450P 204/451 204/549 204/549S 204/600 204/600S

204/601 204/601S 204/645 204/645S 210/511 436/52 436/53



Family:

Publication number	Publication date	Application number	Application date
US2003102214 AA	20030605	US20020268620	20021009
US2006196771 AA	20060907	US20060419717	20060522
US7141429 BB	20061128	US20020268620	20021009

Priority:

US20010328328P 20011009 US20020268620 20021009 US20060419717 20060522

Probable Assignee: WASHINGTON UNIV OF

Assignee(s): (std): UNIV WASHINGTON

Assignee(s): UNIVERSITY OF WASHINGTON ; WASHINGTON UNIV ; YAGER PAUL ; WASHINGTON UNIV OF ; CABRERA CATHERINE R ; HATCH ANSON ; KAMHOLZ ANDREW ; MUNSON MATTHEW S ; OF WASHINGTON UNIV

Inventor(s): (std): CABRERA CATHERINE R ; HATCH ANSON ; KAMHOLZ ANDREW ; MUNSON MATTHEW S ; YAGER PAUL

Inventor(s): CABRERA CATHERINE ; MUNSON MATTHEW

Agent(s): TOWNSEND AND TOWNSEND AND CREW LLP