

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Carl-Zeiss GmbH</td><td>08/31/2005</td></tr><tr><td>Carl-Zeiss MicroImaging Inc.</td><td>08/31/2005</td></tr></tbody></table>		Name	Execution Date	Carl-Zeiss GmbH	08/31/2005	Carl-Zeiss MicroImaging Inc.	08/31/2005				
Name	Execution Date										
Carl-Zeiss GmbH	08/31/2005										
Carl-Zeiss MicroImaging Inc.	08/31/2005										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Cellomics, Inc.</td></tr><tr><td>Street Address:</td><td>100 Technology Drive</td></tr><tr><td>City:</td><td>Pittsburgh</td></tr><tr><td>State/Country:</td><td>PENNSYLVANIA</td></tr><tr><td>Postal Code:</td><td>15219</td></tr></table>		Name:	Cellomics, Inc.	Street Address:	100 Technology Drive	City:	Pittsburgh	State/Country:	PENNSYLVANIA	Postal Code:	15219
Name:	Cellomics, Inc.										
Street Address:	100 Technology Drive										
City:	Pittsburgh										
State/Country:	PENNSYLVANIA										
Postal Code:	15219										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10891302</td></tr></tbody></table>		Property Type	Number	Application Number:	10891302						
Property Type	Number										
Application Number:	10891302										
CORRESPONDENCE DATA											
Fax Number: (412)261-0915 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 412-263-4362											
Email: scj@pbandg.com											
Correspondent Name: Lara A. Northrop											
Address Line 1: Pietragallo, Bosick & Gordon LLP											
Address Line 2: 301 Grant St-One Oxford Centre-38th Fl											
Address Line 4: Pittsburgh, PENNSYLVANIA 15219											
ATTORNEY DOCKET NUMBER:	LUME 72367(LUME-130A1)#3										
NAME OF SUBMITTER:	LARA A. NORTHROP										
Total Attachments: 19 source=Carl Zeiss Jena GmbH to Cellomics#page1.tif source=Carl Zeiss Jena GmbH to Cellomics#page2.tif											

10891302
CH \$40.00

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PATENT
REEL: 017174 FRAME: 0279

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PATENT ASSIGNMENT

WHEREAS, Carl Zeiss Jena GmbH, having its registered office at Carl-Zeiss-Promenade 10, 07745 Jena, Germany, and Carl Zeiss MicroImaging, Inc., having its principal place of business at One Zeiss Drive, Thornwood, New York (hereinafter, collectively, "Assignors"), are the owner of the Patents referred to below; and

WHEREAS, Cellomics, Inc., having its registered office at 100 Technology Drive, Pittsburgh, PA 15219 (hereinafter "Assignee"), and Carl Zeiss MicroImaging, Inc. are parties to a certain Agreement and Plan of Merger, dated as of August 3, 2005 and, in conjunction with such Agreement, Assignee is to acquire all right, title, and interest in and to the Patents as provided herein.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors hereby sell, assign and transfer to Assignee the entire right, title and interest in and to the patents and patent applications listed on SCHEDULE 1 annexed hereto throughout the world and the inventions and designs covered thereby, including the right to claim priority and the right to any continuation, division, or substitute application thereof and the right to any reissue, restoration, extension or reexamination of any patent thereof, subject to all existing licenses with respect thereto, including, without limitation, the Patent License Agreement by and between Carl Zeiss MicroImaging, Inc. and Cellomics, effective as of August 30, 2005, and all liens, claims and encumbrances thereon, including, without limitation, those liens, claims and encumbrances identified in SCHEDULE 1 annexed hereto (the "Patents"), the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and legal representatives, to the end of the terms for which the Patents have been or will be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment had not been made.

Assignors agree that when requested by Assignee they will, at the sole cost and expense of Assignee, execute all documents necessary or desirable to properly vest full right, title and interest in and to the Patents in the name of Assignee or to obtain, maintain, issue or enforce said Patents.

IN WITNESS WHEREOF, Carl Zeiss Jena GmbH and Carl Zeiss MicroImaging, Inc. have caused this Patent Assignment to be executed and delivered this 31st day of August, 2005, to be effective as of August 31, 2005.

Carl Zeiss Jena GmbH

By [Signature]

Title: VP + GM Microscopy

i.v. Risch

Carl Zeiss MicroImaging, Inc.

By _____

Title: _____

128894_3

2

PATENT
REEL: 016864 FRAME: 0623

PATENT
REEL: 017174 FRAME: 0282

IN WITNESS WHEREOF, Carl Zeiss Jena GmbH and Carl Zeiss MicroImaging, Inc. have caused this Patent Assignment to be executed and delivered this 31st day of August, 2005, to be effective as of August 31, 2005.

Carl Zeiss Jena GmbH

By _____

Title: _____

Carl Zeiss MicroImaging, Inc.

By [Signature]

Title: Vice President - France

128894_3

2

PATENT
REEL: 016864 FRAME: 0624

PATENT
REEL: 017174 FRAME: 0283

SCHEDULE 1

1. PATENTS AND PATENT APPLICATIONS

Country	Filing date	Serial Number	Title/Inventors	Status
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Original HCS

United States	5/6/03	10/430,534	A System for Cell Based Screening; Dunlay and Taylor	Pending
United States	10/15/03	10/686,161	A System for Cell Based Screening; Dunlay, Taylor, Gough, and Giuliano	Pending

Receptor Internalization

United States	10/15/03	10/685,737	A System for Cell Based Screening; Rubin, Giuliano Gough, and Dunlay	Pending
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Toxin Characterization

Europe	2/25/00	03004224.6	Giuliano and Kapur "A System for Cell-Based Screening"	Pending
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Kinetic Cell-Based Screening

Europe	12/21/01	01 944 392.7	Sammak et al. "Methods for Cell Identification During Kinetic Cell-Based Screening"	Pending
Japan	12/21/01	2002-561938	Sammak et al. "Methods for Cell Identification During Kinetic Cell - Based Screening"	Pending

Microplate Focal Plane Predictor

Europe	2/1/02	02 709 458.0	Kim Ippolito, Oleg Lapets, Michael Sipe and Randall Shopoff, "Microplate Focal Plane Predictor"	Pending
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PATENT
REEL: 016864 FRAME: 0625

PATENT
REEL: 017174 FRAME: 0284

Methods to Increase the Capacity of High Content Cell-Based Screening Assays

Europe	3/12/02	02 728 447.0	Zock et al. "Methods to Increase the Capacity of High Content Cell-Based Screening Assays"	Pending
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Bioinformatics

United States	11/10/99	09/437,976	Method and System for Efficient Collection and Storage of Experimental Data, Boyce et al.	Pending
United States	8/11/03	10/649,323	Method and System for Efficient Collection and Storage of Experimental Data, Boyce et al.	Pending
PCT	11/10/99	PCT/US99/26562 WO 00/29984	Method and System for Efficient Collection and Storage of Experimental Data, Boyce et al.	Converted into national phase filings
Canada	11/10/99	2350587	Method and System for Efficient Collection and Storage of Experimental Data, Boyce et al.	Pending
Europe	11/10/99	99958879.1	Method and System for Efficient Collection and Storage of Experimental Data, Boyce et al.	Pending Patent No. 1145149
Japan	11/10/99	2000/582925	Method and System for Efficient Collection and Storage of Experimental Data, Boyce et al.	Pending

United States	7/26/00	09/626,138	Qu, Wang, Harrington, Taylor, Carson, Methods and System for Dynamic Storage and Validation of Research Data	Pending Claims priority from 99,068-A
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United States	5/24/00	09/578,188	Bright, Pates, and Gough, "Methods and System for General Purpose Analysis of Experimental Data"	Pending
PCT	5/24/00	PCT/US00/14246 WO 00/72258	Bright, Pates, and Gough, "Methods and System for	Converted into national phase

			General Purpose Analysis of Experimental Data"	filings
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Australia	5/24/00	52848/00	Bright, Pates, and Gough, "Methods and System for General Purpose Analysis of Experimental Data"	Pending
Canada	5/24/00	2,359,467	Bright, Pates, and Gough, "Methods and System for General Purpose Analysis of Experimental Data"	Pending
Europe	5/24/00	00937712.8	Bright, Pates, and Gough, "Methods and System for General Purpose Analysis of Experimental Data"	Published Patent 1138019
Japan	5/24/00	2000-620578	Bright, Pates, and Gough, "Methods and System for General Purpose Analysis of Experimental Data"	Pending

United States	1/24/01	09/769,169	Busa, "A Method and System for Automated Inference of Physico Chemical Knowledge via Co occurrence Analysis of Indexed Literature Databases"	Published
PCT	1124/01	PCT/US01/02245 WO 01/55950	Busa, "A Method and System for Automated Inference of Physico-Chemical Knowledge via Co-occurrence Analysis of Indexed Literature Databases"	Converted into national phase filings
Canada	1/24/01	2396491	Busa, "A Method and System for Automated Inference of Physico Chemical Knowledge via Co occurrence Analysis of Indexed Literature Databases"	Pending
Europe	1/24/01	01 905 006.1	Busa, "A Method and System for Automated Inference of Physico-Chemical Knowledge via Co-occurrence Analysis of Indexed Literature Databases"	Pending EP 1252596

United States	1/24/01	09/768,686	William B. Busa, "Method and System For Inferring	Pending
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			Physico Chemical Interaction Knowledge Or Biological Process Knowledge"	
PCT	1/24/01	PCT/USO1/02294 WO 01/055951	William B. Busa, "Analytical Methods For Inferring Physico-Chemical Interaction Knowledge Or Biological Process Knowledge"	Converted into national phase filings
Canada	1/24/01	2396495	William B. Busa, "Analytical Methods For Inferring Physico Chemical Interaction Knowledge Or Biological Process Knowledge"	Pending
Europe	1/24/01	01 946 969.1	William B. Busa, "Analytical Methods For Inferring Physico-Chemical Interaction Knowledge Or Biological Process Knowledge"	Pending EP 1252598

United States	9/6/00	09/655,677	Collins, Colesanti, Shaw, "Method and System for Obtaining Knowledge-Based Recommendations (Knowledge Fusion)	Pending
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United States	9/6/00	09/656,372	Colesanti, Collins, Shaw, "Method and system for interpreting and validating experimental data with automated reasoning." (Mentor)	Pending
PCT	8/22/01	PCT/USO1/26190	Colesanti, Collins, Shaw, "Method and system for interpreting and validating experimental data with automated reasoning." (Mentor)	Converted into national phase filings
United Kingdom	8/22/01	0305459.0	Colesanti, Collins, Shaw, "Method and system for interpreting and validating experimental data with automated reasoning." (Mentor)	Pending

United States	9/6/00	09/656,400	Colesanti, Collins, Shaw, "Method and System for	Pending
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			Creating and Using Knowledge Patterns"	
PCT	8/22/01	US01/26208	Colesanti, Collins, Shaw, "Method and System for Creating and Using Knowledge Patterns"	Converted into national phase filings
United Kingdom	8/22/01	0305453.3	Colesanti, Collins, Shaw, "Method and System for Creating and Using Knowledge Patterns"	Published

Green Fluorescent Protein

United States	6/12/01	60/297,645	Synthetic DNA encoding a green fluorescent protein with the most favored codons for mammalian systems. Chen, Y.T. and Cao, L.	Pending
United States	10/15/01	09/977,897	Synthetic DNA encoding an orange seapen-derived green fluorescent protein with codon preference of mammalian expression systems and biosensors. Chen, Y.T., and Cao, L.	Pending

2. LIENS, CLAIMS AND ENCUMBRANCES

Liens and security interests granted to Transamerica Technology Finance Corporation, successor in interest to Transamerica Business Credit Corporation, securing indebtedness having an outstanding principal balance less than \$300,000.

PATENT ASSIGNMENT

WHEREAS, Carl Zeiss Jena GmbH, having its registered office at Carl-Zeiss-Promenade 10, 07745 Jena, Germany, and Carl Zeiss MicroImaging, Inc., having its principal place of business at One Zeiss Drive, Thornwood, New York (hereinafter, collectively, "Assignors"), are the owner of the Patents referred to below; and

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PATENT
REEL: 016864 FRAME: 0630

PATENT
REEL: 017174 FRAME: 0289

IN WITNESS WHEREOF, Carl Zeiss Jena GmbH and Carl Zeiss MicroImaging, Inc. have caused this Patent Assignment to be executed and delivered this 31st day of August, 2005, to be effective as of August 31, 2005.

Carl Zeiss Jena GmbH

By [Signature]

Title: GP+GM Microscopy

i.v. Pischke

Carl Zeiss MicroImaging, Inc.

By _____

Title: _____

128892_3

2

PATENT
REEL: 016864 FRAME: 0631

PATENT
REEL: 017174 FRAME: 0290

IN WITNESS WHEREOF, Carl Zeiss Jena GmbH and Carl Zeiss Microimaging, Inc. have caused this Patent Assignment to be executed and delivered this 31st day of August, 2005, to be effective as of August, 31, 2005.

Carl Zeiss Jena GmbH

By _____

Title: _____

Carl Zeiss Microimaging, Inc.

By [Signature]

Title: Vice President Finance

128892_3

2

PATENT
REEL: 016864 FRAME: 0632

PATENT
REEL: 017174 FRAME: 0291

SCHEDULE 1

1. PATENTS AND PATENT APPLICATIONS



Original HCS

United States	2/27/07	08/810,983	A System for Cell Based Screening; Dunlay and Taylor	US Patent No. 5,989,835
United States	8/29/2000	09/650,937	A System for cell Based Screening; Dunlay and Taylor	Allowed
United States	4/16/99	09/293,210	A System for Cell Based Screening; Dunlay and Taylor	Allowed
Canada	2/27/98	2282658	A System for Cell Based Screening; Dunlay, Taylor, Gough, and Giuliano	Canadian Patent No. 2,282,658
Australia	2/27/98	66678/98	A System for Cell Based Screening; Dunlay, Taylor, Gough, and Giuliano	Australia Patent No. 730100

United States	11/22/00	09/718,770	A System for Cell Based Screening; Dunlay and Taylor	Pending
United States	11/22/00	09/721,168	A System for Cell Based Screening; Dunlay and Taylor	Pending
United States	4/11/03	TBA	A System for Cell Based Screening; Dunlay and Taylor	Pending
United States	11/27/00	09/723,256	A System for Cell Based Screening; Dunlay, Taylor, Gough, and Giuliano	Pending
United States	11/27/00	09/724,376	A System for Cell Based Screening; Dunlay, Taylor, Gough, and Giuliano	Pending
United States	2/27/98	09/380,259	A System for Cell Based Screening; Dunlay, Taylor, Gough, and Giuliano	Pending
Europe	2/27/98	98908719.2	A System for Cell Based Screening; Dunlay, Taylor, Gough, and Giuliano	Pending
Japan	2/27/98	10-537821	A System for Cell Based Screening; Dunlay, Taylor, Gough, and Giuliano	Pending
Japan	2/27/98	2002-61217	A System for Cell Based Screening; Dunlay, Taylor, Gough, and Giuliano	Pending
Canada	2/27/98	2410688	A System for Cell Based Screening; Dunlay, Taylor, Gough, and Giuliano	Pending
Australia	5/17/00	46040/01	A System for Cell Based Screening; Dunlay, Taylor, Gough, and Giuliano	Pending

PATENT

REEL: 016864 FRAME: 0633

PATENT

REEL: 017174 FRAME: 0292

Receptor Internalization

Canada	July 13, 1999	2,328,194	A System for Cell Based Screening; Rubin, Giuliano, Gough, and Dunlay	Canadian Patent No. 2,328,194
Europe	July 13, 1999	99933995.5	A System for Cell Based Screening; Rubin, Giuliano, Gough, and Dunlay	EP Patent No. 1095277
Great Britain	July 13, 1999	99933995.5	A System for Cell Based Screening; Rubin, Giuliano, Gough, and Dunlay	Pending
Germany	July 13, 1999	99933995.5	A System for Cell Based Screening; Rubin, Giuliano, Gough, and Dunlay	Pending
France	July 13, 1999	99933995.5	A System for Cell Based Screening; Rubin, Giuliano, Gough, and Dunlay	Pending
Sweden	July 13, 1999	99933995.5	A System for Cell Based Screening; Rubin, Giuliano, Gough, and Dunlay	Pending
Switzerland	July 13, 1999	99933995.5	A System for Cell Based Screening; Rubin, Giuliano, Gough, and Dunlay	Pending
Denmark	July 13, 1999	99933995.5	A System for Cell Based Screening; Rubin, Giuliano, Gough, and Dunlay	Pending

United States	July 12, 1999	09/352,171	A System for Cell Based Screening; Rubin, Giuliano, Gough, and Dunlay	Pending
United States	July 13, 1999	2000-559,430	A System for Cell Based Screening; Rubin, Giuliano, Gough, and Dunlay	Pending

Endocytic Recycling Compartment Trafficking

United States	July 21, 1999	09/598,347	A System for Cell Based Screening; Rubin, Gough, Ghosh, Giuliano, and Dunlay	Pending
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Protease Biosensors

Europe	10/29/99	9997146 4.5	A System for Cell Based Screening; Giuliano, Bright, Olson, and Burroughs-Tencza	EP Patent No. 1131471
Denmark	10/29/99	9997146 4.5	A System for Cell Based Screening; Giuliano, Bright, Olson, and Burroughs-Tencza	Pending
France	10/29/99	9997146 4.5	A System for Cell Based Screening; Giuliano, Bright, Olson, and Burroughs-Tencza	Pending
Germany	10/29/99	9997146	A System for Cell Based Screening;	Patent No. 699

		4.5	Giuliano, Bright, Olson, and Burroughs-Tencza	03 337.3-08
Sweden	10/29/99	9997146 4.5	A System for Cell Based Screening; Giuliano, Bright, Olson, and Burroughs-Tencza	Pending
Switz/Liech	10/29/99	9997146 4.5	A System for Cell Based Screening; Giuliano, Bright, Olson, and Burroughs-Tencza	Pending
Great Britain	10/29/99	9997146 4.5	A System for Cell Based Screening; Giuliano, Bright, Olson, and Burroughs-Tencza	Pending

United States	10/29/99	09/430,656	A System for Cell Based Screening; Giuliano, Bright, Olson, and Burroughs-Tencza	Pending
United States	11/5/00	09/713,572	A System for Cell Based Screening; Giuliano, Bright, Olson, and Burroughs-Tencza	Pending
Australia	10/29/99	12404/00	A System for Cell Based Screening; Giuliano, Bright, Olson, and Burroughs-Tencza	Pending
Canada	10/29/99	2,348,132	A System for Cell Based Screening; Giuliano, Bright, Olson, and Burroughs-Tencza	Allowed
Japan	10/29/99	2000-579780	A System for Cell Based Screening; Giuliano, Bright, Olson, and Burroughs-Tencza	Pending

Toxin Characterization

United States	2/24/00	09/513,783	A System for Cell Based Screening; Giuliano and Kapur	US Patent No. 6,416,959
Europe	2/25/00	36056/00	Giuliano and Kapur "A System for Cell-Based Screening"	Allowed
Switz./Liech	2/25/00	36056/00	Giuliano and Kapur "A System for Cell-Based Screening"	Pending
Germany	2/25/00	36056/00	Giuliano and Kapur "A System for Cell-Based Screening"	Pending
UK	2/25/00	36056/00	Giuliano and Kapur "A System for Cell-Based Screening"	Pending

United States	3/19/02	10/100,957	A System for Cell Based Screening; Giuliano and Kapur	Pending
Australia	2/25/00	36056/00	A System for Cell Based Screening, Giuliano and Kapur	Pending

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PATENT
REEL: 016864 FRAME: 0635

PATENT
REEL: 017174 FRAME: 0294

Canada	2/25/00	2,362,117	A System for Cell Based Screening, Giuliano and Kapur	Pending
Japan	2/25/00	2000-610420	Giuliano and Kapur "A System for Cell-Based Screening"	Pending

Neurite Outgrowth

United States	11/20/00	09/716,732	A System for Cell Based Screening, Ghosh and Janardhan	Pending
Canada	11/20/00	2,381,344	A System for Cell Based Screening, Ghosh and Janardhan	Pending
Europe	11/20/00	1 203 214	A System for Cell Based Screening, Ghosh and Janardhan	Pending
Japan	11/20/00	2001-515947	A System for Cell Based Screening, Ghosh and Janardhan	Pending

Cell Motility/Spreading

United States	12/8/00	09/733.273	A System for Cell Based Screening, Sammak	Pending
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Original CELLCHIP devices

United States	5/29/97	08/865,341	Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening; Taylor	U.S. Patent No. 6,103,479
Australia	12/23/98	32971/97	Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening; Taylor	Australian Patent No. 734704

United States	12/21/99	09/468.673	Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening; Taylor	Pending
Europe	12/7/98	97928806.5	Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening; Taylor	Pending
Canada	11/30/98	2,257,287	Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening; Taylor	Pending
Japan	11/30/98	9-543049	Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening; Taylor	Pending

Higher density cassettes; serial imaging of sub-arrays

Australia	9/22/99	60521/99	Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening; Jung, Gough, and Taylor	Australian Patent No. 752677
Canada	3/22/01	2,345,151	Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening; Jung, Gough, and Taylor	Pending
Europe	9/22/99	99969493.8	Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening; Jung, Gough, and Taylor	Pending

Cell patterned substrates and methods for making

United States	3/31/00	09/540,862	Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening	Allowed
Europe	3/31/00		Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening	Allowed
Switz/Liech			Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening	Pending
Germany			Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening	Pending
France			Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening	Pending
Great Britain			Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening	Pending
Australia	3/31/00	40635/00	Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening	Pending

Cell arrays with 3D polymer constructs in wells

United States	3/31/2000	09/626,873	Kapur and Adams, Miniaturized Cell Array Methods and Apparatus	US Patent No. 6,548,263
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			for Cell-Based Screening	
Europe	7/27/2000	2000950753	Kapur and Adams, Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening	Pending

Multi-parametric toxin assays: Arrays

United States	7/21/2000	09/624,131	Kapur and Giuliano, Miniaturized Cell Array Methods and Apparatus for Cell-Based Screening	Pending
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Environmental chamber

United States	12/6/99	09/455,577	Freidman, Gongaware, and Gough, "An Environmental Chamber for Live Cell Analysis	US Patent No. 6,365,367
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Anthrax protease peptide biosensor

United States	2/9/01	09/780,662	Burroughs-Tencza, Peptide Biosensor for Anthrax Protease	Pending
United States	7/26/02	10/182,303	Burroughs-Tencza, Peptide Biosensor for Anthrax Protease	Pending
Canada	2/9/01	2,398,583	Burroughs-Tencza, Peptide Biosensor for Anthrax Protease	Pending
Europe	9/11/02	01 937 142.6	Burroughs-Tencza, Peptide Biosensor for Anthrax Protease	Pending

RNA Expression Biosensors

United States	9/28/01	09/965,876	"Method and System for Live-Cell Gene Expression Quantification" William Busa	Pending
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Kinetic Cell-Based Screening

United States	12/21/01	10/037,285	Sammark et al. "Methods for Cell Identification During Kinetic Cell-Based Screening"	Pending
PCT	12/21/01	PCT/US01/49928 WO 02/061423	Sammark et al. "Methods for Cell Identification During	Pending

			Kinetic Cell-Based Screening"	
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Microbead Test Plates and Test Methods for Fluorescence Imaging Systems Applications

United States	11/20/01	09/997,821	Paul Sammark et al. "Microbead Test Plates and Test Methods for Fluorescence Imaging Systems"	Pending
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Microplate Focal Plane Predictor

United States	2/1/02	10/061,525	Kim Ippolito, Oleg Lapets, Michael Sipe and Randall Shopoff, "Microplate Focal Plane Predictor"	Pending
PCT	2/1/02	US02/03947 WO 02/063367	Kim Ippolito, Oleg Lapets, Michael Sipe and Randall Shopoff, "Microplate Focal Plane Predictor"	Pending

Methods to Increase the Capacity of High Content Cell-Based Screening Assays

United States	3/12/02	10/096,378	Zock et al. "Methods to Increase the Capacity of High Content Cell-Based Screening Assays"	Pending
PCT	3/12/02	PCT/US02/07481 WO 02/073200	Zock et al. "Methods to Increase the Capacity of High Content Cell-Based Screening Assays"	Pending

Methods for Determining the Organization of a Cellular Component of Interest

United States	3/25/02	10/106,589	Gustavo Rosania, Paul Sammak and Richard Rubin "Methods for Determining the Organization of a Cellular Component of Interest"	Pending
PCT	3/25/02	PCT/US02/09122 WO 02/077903	Gustavo Rosania, Paul Sammak and Richard Rubin "Methods for Determining the Organization of a Cellular Component of Interest"	Pending

Positional Biosensors

Pending

United States	8-1-02	10/211,088	Gary Bright et al., "Novel Fusion Proteins and Assays for Molecular Binding"	Pending
PCT	8-1-02	PCT/US02/24572 WO 03/012068	Gary Bright et al., "Novel Fusion Proteins and Assays for Molecular Binding"	Pending

2. LIENS, CLAIMS AND ENCUMBRANCES

Liens and security interests granted to Transamerica Technology Finance Corporation, successor in interest to Transamerica Business Credit Corporation, securing indebtedness having an outstanding principal balance less than \$300,000.

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RECORDED: 12/07/2005

PATENT
REEL: 016864 FRAME: 0640

RECORDED: 02/15/2006

PATENT
REEL: 017174 FRAME: 0299