

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Evolutionary Genomics LLC	12/17/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Evolutionary Genomics, Inc.
<b>Street Address:</b>	1376 Miner's Drive, Suite 101
<b>City:</b>	Lafayette
<b>State/Country:</b>	COLORADO
<b>Postal Code:</b>	80026
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	10345820
<b>CORRESPONDENCE DATA</b>	
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<b>Address Line 1:</b>	8210 SouthPark Terrace
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<b>ATTORNEY DOCKET NUMBER:</b>	GENO200.1.6
<b>NAME OF SUBMITTER:</b>	Mary Breen Smith

**Total Attachments: 8**  
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## ASSIGNMENT

WHEREAS, the undersigned Evolutionary Genomics LLC, a Delaware limited liability company with its principal place of business at 1376 Miner's Drive, Suite 101, Lafayette, Colorado 80026 ("Assignor") has agreed to transfer all of its right, title and interest in the United States and foreign patent rights in each of the inventions described in the patents and patent applications set forth in Appendices A and B (collectively "Patents"), to Evolutionary Genomics, Inc. (Assignee"), a Delaware corporation with its principal place of business at 1376 Miner's Drive, Suite 101, Lafayette, Colorado 80026;

THEREFORE, Assignor, for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, does hereby sell, assign, convey and transfer unto Assignee all right, title and interest in and to the inventions described in said Patents, together with all continuation, divisional, continuation-in-part, reexamination and reissue applications, and all corresponding foreign applications and patents which may be filed thereon, including the right to prosecute such patent applications as well as to claim priority from any application identified in Appendices A and B. Assignor hereby agrees that Assignor, along with its employees, agents and assignors will sign all lawful papers, including, without limitation, all divisional, continuation, continuation-in-part, renewal, extension, reexamination and reissue applications, and make all rightful oaths in execution thereof, and will generally do everything possible to aid Assignee, its successors, assigns and nominees to obtain and enforce proper protection for the inventions, and Patents assigned herein in all countries, this obligation to be binding upon Assignor and upon Assignor's personal representative or other legal successor. This Assignment includes the right, if any, for Assignee to sue or bring other actions for past, present and future infringement. Furthermore, this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose regarding the subject matter hereof.

PATENT

REEL: 020275 FRAME: 0365

IN TESTIMONY WHEREOF, Assignor has signed below.

Date: December 17, 2007

Evolutionary Genomics LLC:

Ginny Orndorff

Ginny Orndorff  
President and CEO

STATE OF Colorado )  
COUNTY OF Arapahoe ) ss.

The foregoing instrument was acknowledged before me this 17 day of December, 2007, by  
Ginny Orndorff on behalf of Evolutionary Genomics LLC.

Witness my hand and official seal.  
My commission expires: 10/5/2009

Joan E Crispino  
Notary Public

ACCEPTED by Assignee.

Date: December 17, 2007

Evolutionary Genomics, Inc.:

Ginny Orndorff

Ginny Orndorff  
President and CEO

STATE OF Colorado )  
COUNTY OF Arapahoe ) ss.

The foregoing instrument was acknowledged before me this 17 day of December, 2007, by  
Ginny Orndorff as President and CEO  
on behalf of Evolutionary Genomics, Inc.

Witness my hand and official seal.  
My commission expires: 10/5/2009

Joan E Crispino  
Notary Public

**APPENDIX A**  
**Evolutionary Genomics**  
**U.S. Patents and Applications**

Docket No.	Serial No.	Patent No.	File Date	Publication No.	Title	Issue Date
342933000200	60/073,263		1/30/1998		Methods to Identify Human Polynucleotide and Polypeptide Sequences Which May Be Uniquely Associated with Human Brain Function	
342932000200	09/240,915	6,228,586	1/29/1999		Methods to Identify Human Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions	5/08/2001
342933000600	60/098,987		9/2/1998		Methods to Identify Polynucleotide and Polypeptide Sequences Which May Be Associated with Aids Susceptibility or Resistance	
GENO200.1/PR1	60/315,595		8/29/2001		Rapid Method to Identify Cereal Genes for Pest, Disease, and Drought Resistance	
GENO.200.1	09/368,810	6,274,319	8/05/1999		Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals	8/14/2001
GENO200.1/C-C	11/832,579		8/01/2007		EG307 Nucleic Acids and Uses Thereof	
GENO200.1/CIP	10/079,042	7,252,966	2/19/2002	US-2003-0148292	Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals	8/07/2007
GENO200.1/CON	09/875,666	6,743,580	6/06/2001	US-2004-0014035	Methods for Producing Transgenic Plants Containing Evolutionarily Significant Polynucleotides	6/01/2004
GENO200.1/PR2	60/315,533		8/29/2001		Cracking Regulatory Patterns in Cereals with a Novel Promoter Analysis System	
GENO200.1/PR-3	60/349,088		1/16/2002		Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals	
GENO200.1/PR-4	60/349,661		1/17/2002		Validation of Agriculturally Important Gene Candidates Selected by an Adapted-Traits Discovery Platform	
GENO200.1/PR-5	60/349,727		1/17/2002		Computational Platform for the Engineering of Precise Transgenic Regulation	
GENO200.1/PR-6	60/368,541		3/29/2002		Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals	
GENO200.1.6	10/345,820		1/16/2003	US-2004-0016026	EG1117 Polynucleotides And Uses Thereof	
GENO200.1/PR-7	60/402,340		8/8/2002		DETECTION OF EVOLUTIONARY BOTTLENECKING BY DNA SEQUENCING AS A METHOD TO DISCOVER GENES OF AGRONOMIC VALUE	
GENO200.1-7/PCT-US	10/522,393		1/25/2005	US-2005-0234654	Detection of Evolutionary Bottlenecking by DNA Sequencing as a Method to Discover Genes of Agronomic Value	
GENO.200.1/PR8	60/666,511		3/29/2005		Yield-Related Polynucleotides and Polypeptides in Crop Plants	
GENO.200.1.8	11/394,367		3/29/2006	US-2006-0225153	EG1117 And EG307 Polynucleotides And Uses Thereof	
GENO200.1/PR9	60/714,142		9/2/2005		YIELD-RELATED POLYNUCLEOTIDES AND POLYPEPTIDES IN CROP PLANTS	
GENO200.1/PR10	60/774,939		2/17/2006		Yield-Related Polynucleotides And Polypeptides In Crop Plants	

Docket No.	Serial No.	Patent No.	File Date	Publication No.	Title	Issue Date
GENO200.1/PR1.1	60/951,831		7/25/2007		EG80213 and EG81345 Nucleic Acids and Uses Thereof	
GENO200.2/PR1	60/423,113		11/1/2002		Development of Agents for Treatment of Endotoxin Mediated Disorders	
GENO200.2/PR2	60/484,030		6/30/2003		Adaptive Evolution Of Chimpanzees ICAMS Resulted In Protection Against Progressive HIV-1 Disease	
GENO.200.2	09/591,435	6,280,953	6/09/2000		Methods to Identify Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions	8/28/2001
GENO.200.2/CIP	09/942,252		8/28/2001		Methods to Identify Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions	
GENO200.2/CIP2	10/098,600	6,866,996	3/14/2002		Methods to Identify Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions	3/15/2005
GENO200.2/C2/D	11/058,065		2/15/2005	US-2005-0164174	Methods to Identify Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions	
GENO200.2/CIP3	10/883,576	7,247,425	6/30/2004	US-2005-0037400	Methods to Identify Polynucleotide and Polypeptide Sequences which may be Associated with Physiological and Medical Conditions	7/24/2007
GENO200.2/CIP4	11/781,818		7/23/2007		Methods to Identify Polynucleotide and Polypeptide Sequences which may be Associated with Physiological and Medical Conditions	
GENO200.2/PR3	60/545,604		2/17/2004		Important Gene Candidates in HIV Infection Selected by an Adapted Traits Discovery Platform	
GENO200.3.1/PCT-US	10/532,153		4/20/2005	US-2006-0014150	Development of Therapeutics for the Treatment of Endotoxin-Mediated Diseases	
GENO200.4/PR	60/507,988		10/1/2003		Methods to identify evolutionarily significant changes in polynucleotide and polypeptide sequences in prokaryotes	
GENO200.4	10/956,353		10/1/2004	US 2005-0181367	Methods to identify evolutionarily significant changes in polynucleotide and polypeptide sequences in prokaryotes	

**APPENDIX B**  
**Evolutionary Genomics**  
**Foreign Patents and Applications**

Doctet No.	Country	Serial No.	File Date	Publication No.	Patent No.	Issue Date	Title
342932000240/PCT	WO	PCT/US99/01964	1/29/1999				Methods to Identify Human Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions
342932000240-AU	AU	2484199	1/29/1999		769931	5/27/2004	Methods to Identify Human Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions
342932000240-CA	CA	2318772	1/29/1999				Methods to Identify Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions
342932080240-EP	EP	99904442.3	1/29/1999				Methods to Identify Human Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions
342932000240-JP	JP	2000-529463	1/29/1999				Methods to Identify Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions
3429330006/PCT	WIPO	PCT/US99/20209	9/1/1999	WO 2000/12764			Methods to Identify Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions
GENO.200.1/PCT	WO	PCT/US00/40517	8/1/2000				Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1/PCT-AU	AU	71399/00	8/1/2000		784869	10/26/2006	Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1/PCT-BE	BE	00960208.7	8/1/2000		1250449	10/3/2007	Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1/PCT-CA	CA	2390094	8/1/2000				Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1/PCT-CH	CH	00960208.7	8/1/2000		1250449	10/3/2007	Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1/PCT-DE	DE	00960208.7	8/1/2000		609 36 645.6-08	10/3/2007	Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1/PCT-DK	DK	00960208.7	8/1/2000		1250449	10/3/2007	Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1/PCT-EP	EP	00960208.7	8/1/2000		1250449	10/3/2007	Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals

Doct No.	Country	Serial No.	File Date	Publication No.	Patent No.	Issue Date	Title
GENO200.1/PCT-ES	ES	00960208.7	8 / 1 / 2000		1250449	10/3 /2007	Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1/PCT-FR	FR	00960208.7	8 / 1 / 2000		1250449	10/3 /2007	Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1/PCT-GB	GB	00960208.7	8 / 1 / 2000		1250449	10/3 /2007	Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1/PCT-IE	IE	00960208.7	8 / 1 / 2000		1250449	10/3 /2007	Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1/PCT-IT	IT	00960208.7	8 / 1 / 2000		1250449	10/3 /2007	Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1/PCT-JP	JP	2001-515335	8 / 1 / 2000	2004-500036			Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1.6/PCT	WO	PCT/US03/01460	1 / 16 / 2003	WO 2003/062382			Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1.6/PCT-AU	AU	2003217221	1 / 16 / 2003				Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1.6/PCT-BR	BR	P0306968-0	1 / 16 / 2003	1840			Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1.6/PCT-CA	CA	2473555	1 / 16 / 2003				Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1.6/PCT-CN	CN	03804847.7	1 / 16 / 2003	CN1630731A			Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1.6/PCT-EP	EP	03713258.6	1 / 16 / 2003	1501942			Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1.6/PCT-IL	IL	162897	1 / 16 / 2003				Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1.6/PCT-IN	IN	994/KOLNP/2004	1 / 16 / 2003				Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1.6/PCT-JP	JP	2003-562250	1 / 16 / 2003	2005-518199			Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO200.1.6/PCT-KR	KR	10-2004-7011241	1 / 16 / 2003				Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals



Declt No.	Country	Serial No.	File Date	Publication No.	Patent No.	Issue Date	Title
GENO.200.1.6/PCT-PH	PH	12004301018	1/16/2003				Methods to Identify Evolutionarily Significant Changes in Polynucleotide and Polypeptide Sequences in Domesticated Plants and Animals
GENO.200.1.7/PCT	WO	PCT/US03/25027	8/8/2003	WO 2004/031397			Detection of Evolutionary Bottlenecking by DNA Sequencing as a Method to Discover Genes of Agronomic Value
GENO.200.1.7/TW	TW	92121905	8/8/2003				Detection of Evolutionary Bottlenecking by DNA Sequencing as a Method to Discover Genes of Agronomic Value
GENO.200.1.8/PCT	WO	PCT/US2006/011615	3/29/2006	WO 2006/105277			EG1117 And EG307 Polynucleotides And Uses Thereof
GENO.200.1.8/PCT-AU	AU	PCT/US2006/011615	3/29/2006				EG1117 And EG307 Polynucleotides And Uses Thereof
GENO.200.1.8/PCT-BR	BR	PCT/US2006/011615	3/29/2006				EG1117 And EG307 Polynucleotides And Uses Thereof
GENO.200.1.8/PCT-CA	CA	PCT/US2006/011615	3/29/2006				EG1117 And EG307 Polynucleotides And Uses Thereof
GENO.200.1.8/PCT-CN	CN	PCT/US2006/011615	3/29/2006				EG1117 And EG307 Polynucleotides And Uses Thereof
GENO.200.1.8/PCT-EP	EP	06748924.5	3/29/2006				EG1117 And EG307 Polynucleotides And Uses Thereof
GENO.200.1.8/PCT-IL	IL	186135	3/29/2006				EG1117 And EG307 Polynucleotides And Uses Thereof
GENO.200.1.8/PCT-IN	IN	3748/KOLNP/2007	3/29/2006				EG1117 And EG307 Polynucleotides And Uses Thereof
GENO.200.1.8/PCT-JP	JP	PCT/US2006/011615	3/29/2006				EG1117 And EG307 Polynucleotides And Uses Thereof
GENO.200.1.8/PCT-KR	KR	10-2007-7024966	3/29/2006				EG1117 And EG307 Polynucleotides And Uses Thereof
GENO.200.1.8/PCT-PH	PH	PCT/US2006/011615	3/29/2006				EG1117 And EG307 Polynucleotides And Uses Thereof
GENO.200.1.9/PCT	WO	PCT/US06/34415	9/5/2006	WO 2007/028121			EG8798 And EG9703 Polynucleotides And Uses Thereof
GENO.200.2/PCT	WO	PCT/US01/18310	6/6/2001				Methods to Identify Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions
GENO.200.2/PCT-AU	AU	2001275303	6/6/2001	2001275303	2001275303	7/5/2007	Methods to Identify Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions
GENO.200.2/PCT-AU/D	AU	2007202866	6/20/2007				Methods to Identify Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions
GENO.200.2/PCT-CA	CA	2412579	6/6/2001				Methods to Identify Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions
GENO.200.2/PCT-EP	EP	01942000.9	6/6/2001				Methods to Identify Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions
GENO.200.2/PCT-JP	JP	2002-510716	6/6/2001	2004-503251			Methods to Identify Polynucleotide and Polypeptide Sequences Which May Be Associated with Physiological and Medical Conditions

Docket No.	Country	Serial No.	File Date	Publication No.	Patent No.	Issue Date	Title
GENO200.2/CIP3/PCT	WO	PCT/US04/021280	6/30/2004	WO 2005/024066			Methods To Identify Polynucleotide And Polypeptide Sequences Which May Be Associated With Physiological And Medical Conditions
GENO200.2/C3/PCT-CA	CA	2531087	6/30/2004				Methods To Identify Polynucleotide And Polypeptide Sequences Which May Be Associated With Physiological And Medical Conditions
GENO200.2/C3/PCT-EP	EP	04816103.8	6/30/2004	1649067			Methods To Identify Polynucleotide And Polypeptide Sequences Which May Be Associated With Physiological And Medical Conditions
GENO200.2/C3/PCT-JP	JP	2006-518784	6/30/2004				Methods To Identify Polynucleotide And Polypeptide Sequences Which May Be Associated With Physiological And Medical Conditions
GENO200.3.1/PCT	WO	PCT/US03/36247	1/3/2003	WO 2004/042365			Development of Therapeutics for the Treatment of Endotoxin-Mediated Disorders
GENO200.4/PCT	WO	PCT/US04/032610	10/1/2004	WO 2005/079196			Methods to identify evolutionarily significant changes in polynucleotide and polypeptide sequences in prokaryotes
GENO200.4/PCT-CA	CA	2541189	10/1/2004				Methods to identify evolutionarily significant changes in polynucleotide and polypeptide sequences in prokaryotes
GENO200.4/PCT-EP	EP	04821474.6	10/1/2004	1 737 975			Methods to identify evolutionarily significant changes in polynucleotide and polypeptide sequences in prokaryotes