PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
University of Pittsburgh Medical Center	07/30/2003

RECEIVING PARTY DATA

Name:	Rheogene Holdings, Inc.
Street Address:	2650 Eisenhower Avenue
City:	Norristown
State/Country:	PENNSYLVANIA
Postal Code:	19403

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	7091038

CH $40.00 7091038

CORRESPONDENCE DATA

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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
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Address Line 1: 11 Stanwix Street
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ATTORNEY DOCKET NUMBER:	10271.1INTREXON
NAME OF SUBMITTER:	Jennifer L. Martinez

Total Attachments: 8
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ASSIGNMENT OF PATENTS

THIS ASSIGNMENT OF PATENTS is entered into as of July 30, 2003 (the "**Effective Date**") by and between the University of Pittsburgh Medical Center, a Pennsylvania nonprofit corporation (the "**Assignor**"), and RheoGene Holdings, Inc., a Delaware corporation ("**Holdings**").

RECITALS

A. The Assignor has adopted, used and is using and owns all right, title and interest in and to the patents and applications for patents identified and set forth on Exhibit A attached hereto (collectively, the "**Patents**"), and the goodwill of the business associated with the Patents.

B. The Assignor and Holdings have entered into that certain Asset Contribution Agreement dated as of July 30, 2003 (the "**Contribution Agreement**"). Capitalized terms used herein without definition shall have the respective meanings given to them in the Contribution Agreement.

C. Pursuant to the Contribution Agreement, the Assignor has agreed to assign to Holdings its entire right, title and interest in and to the Patents.

D. Pursuant to the Contribution Agreement, the Assignor wishes to assign the Patents to Holdings, and Holdings wishes to accept such assignment, on the terms and conditions set forth herein.

AGREEMENT

The parties, intending to be legally bound, agree as follows:

1. Assignment of Patents.

   (a) The Assignor hereby, assigns and transfers all of its right, title and interest in and to the Patents to Holdings, its successors and assigns, to be held and enjoyed by Holdings for its use, enjoyment or conveyance, together with the goodwill of the business symbolized by the Patents.

   (b) The Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks for the jurisdictions listed on Exhibit A with respect to each Patent, or such other appropriate official with respect to such jurisdiction, to record Holdings as the owner of, and to issue in accordance with this instrument, each of the Patents in the name of Holdings.

2. Successors and Assigns. This Assignment of Patents shall be binding on and inure to the benefit of the parties hereto and their respective successors and assigns.

3. Choice of Law. This Assignment of Patents shall be construed in accordance with, and governed in all respects by, the internal laws of the Commonwealth of Pennsylvania without reference to conflict of laws principles.

4. Counterparts. This Assignment of Patents may be signed in one or more counterparts, each of which shall be deemed an original and together which shall constitute one and the same instrument.

IN WITNESS WHEREOF, the parties have executed and delivered this Assignment of Patents as of the date first written above.

UNIVERSITY OF PITTSBURGH MEDICAL CENTER

By: _____
Name: Scott M Lammie
Title: SVP - Finance

RHEOGENE HOLDINGS, INC.

By: _____
Name: Scott M Lammie
Title: Treasurer

IN WITNESS WHEREOF, the parties have executed and delivered this Assignment of Patents as of the date first written above.

UNIVERSITY OF PITTSBURGH MEDICAL CENTER

By: _____
Name: SCOTT M. LAMMIE
Title: SVP - FINANCE

RHEOGENE HOLDINGS, INC.

By: _____
Name: SCOTT M. LAMMIE
Title: TREASURER

COMMONWEALTH OF PENNSYLVANIA)
)
COUNTY OF ALLEGHENY) SS:
)

Before me, a Notary Public in and for said County and Commonwealth personally appeared Scott M. Lammie, SVP Finance of UPMC, known to be or satisfactorily proven to be the person and officer whose name was subscribed to the within Assignment of Patents, and acknowledged that he executed the same on behalf of UPMC, as his voluntary act and deed for the purposes and consideration therein expressed and in the capacity therein given.

Therefore, I have set my hand and affixed my official seal on July 30, 2003.

Peggy J. Haberle
Notary Public

(Seal)

Notarial Seal
Peggy J. Haberle, Notary Public
City of Pittsburgh, Allegheny County
My Commission Expires Aug. 22, 2005
Member, Pennsylvania Association of Notaries

EXHIBIT A

Assets

Patent and Patent Applications:

Docket #	Patent/Serial #	Date Filed	Issue Date	Title
98-039A	AR 990102851	06/15/99	pending	Ligands for Modulating the Expression of Exogenous Genes via an Ecdysone Receptor Complex
98-039A	AU 9933900	06/07/99	pending	Ligands for Modulating the Expression of Exogenous Genes via an Ecdysone Receptor Complex
98-039A	BR 99022834	06/16/99	pending	Ligands for Modulating the Expression of Exogenous Genes via an Ecdysone Receptor Complex
98-039A	CN 991090675	6/17/99	pending	Ligands for Modulating the Expression of Exogenous Genes via an Ecdysone Receptor Complex
98-039A	EP 99304444.5	06/08/99	pending	Ligands for Modulating the Expression of Exogenous Genes via an Ecdysone Receptor Complex
98-039A	JP 99171358	06/17/99	pending	Ligands for Modulating the Expression of Exogenous Genes via an Ecdysone Receptor Complex
98-039A	KR 9922745	06/17/99	pending	Ligands for Modulating the Expression of Exogenous Genes via an Ecdysone Receptor Complex
98-039A	MX 995570	06/16/99	pending	Ligands for Modulating the Expression of Exogenous Genes via an Ecdysone Receptor Complex
98-039A	TW 88110230	06/17/99	pending	Ligands for Modulating the Expression of Exogenous Genes via an Ecdysone Receptor Complex
98-039A	US 6258603	05/20/99	7/10/01	Ligands for Modulating the Expression of Exogenous Genes via an Ecdysone Receptor Complex
98-039B	US 09/832500	04/11/01	pending	Ligands for Modulating the Expression of Exogenous Genes via an Ecdysone Receptor Complex
A01020	US 60/191355	03/22/00	expired	Heterodimeric and Homodimeric Nuclear Receptor Gene Switches
A01020A	PCT/US01/09050	03/21/01	pending	Novel Ecdysone Receptor-Based Inducible Gene Expression System
A01020A	AR 010101339	03/22/01	pending	Novel Ecdysone Receptor-Based Inducible Gene Expression System
A01020A	CL 6422001	03/22/01	pending	Novel Ecdysone Receptor-Based Inducible Gene Expression System
A01020A	TW 90106737	03/22/01	pending	Novel Ecdysone Receptor-Based Inducible Gene Expression System
A0120A	US 10/239134	03/21/01	pending	Novel Ecdysone Receptor-Based Inducible Gene Expression System
A0120A	AU	03/21/01	pending	Novel Ecdysone Receptor-Based Inducible Gene Expression System
A0120A	CA 2404253	03/21/01	pending	Novel Ecdysone Receptor-Based Inducible Gene Expression System
A0120A	CN 01807844.3	03/21/01	pending	Novel Ecdysone Receptor-Based Inducible Gene Expression System
A0120A	JP 2001569016	03/21/01	pending	Novel Ecdysone Receptor-Based Inducible Gene Expression System
A0120A	MX PA/A/2002/	03/21/01	pending	Novel Ecdysone Receptor-Based Inducible Gene Expression System

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A0120A		03/21/01	pending	Novel Ecdysone Receptor-Based Inducible Gene Expression System
A01020B	US 09/965,703	09/26/01	pending	Novel Ecdysone Receptor-Based Inducible Gene Expression System
A01121	US 09/690391	10/17/00	pending	Methods for Identifying Products Employing Gene Expression
A01121	AU 0178282	10/09/01	pending	Methods for Identifying Products Employing Gene Expression
A01121	BR 01045350	10/16/01	pending	Methods for Identifying Products Employing Gene Expression
A01121	CN 011358009	10/17/01	pending	Methods for Identifying Products Employing Gene Expression
A01121	EP 10308598.0	10/09/01	pending	Methods for Identifying Products Employing Gene Expression
A01121	JP 2001319364	10/17/01	pending	Methods for Identifying Products Employing Gene Expression
A01121	KR 2001163782	10/16/03	pending	Methods for Identifying Products Employing Gene Expression
A01121	MX 2001010284	10/11/01	pending	Methods for Identifying Products Employing Gene Expression
A01121	TW 90125676	10/17/01	pending	Methods for Identifying Products Employing Gene Expression
A01121A	US 09/950312	09/10/01	pending	Methods for Identifying Products Employing Gene Expression
A01121	US 60/269799	02/20/01	expired	Novel Ecdysone Receptor-Based Inducible Gene Expression Systems
A01183	US 60260700	01/10/01	expired	A Method to Reduce Transcriptional Interference Between Tandem Genes
A01183	US 10074744	02/13/02	pending	A Method to Reduce Transcriptional Interference Between Tandem Genes
A01184	US 60/294814	05/31/01	pending	Novel Ecdysone Receptor/Invertebrate Retinoid X Receptor-Based Inducible Gene Expression System
A01237	PCT/US02/05235	02/20/02	pending	Novel Ecdysone Receptor/Invertebrate Retinoid X Receptor-Based Inducible Gene Expression System
A01238	US 60/294819	05/31/01	expired	Chimeric Retinoid X Receptors and Their Use in a Novel Ecdysone Receptor-Based Inducible Gene Expression System
A01238	PCT/US02/05706	02/20/02	pending	Chimeric Retinoid X Receptors and Their Use in a Novel Ecdysone Receptor-Based Inducible Gene Expression System

A01258	US 60/301301	06/27/01	expired	A Method to Determine Gene Function
A01248	US 60/325534	09/26/01	expired	Whitefly Ecdysone Receptor Nucleic Acids, Polypeptides, and Uses Thereof
A01248	PCT/US02/05234	02/20/02	pending	Whitefly Ecdysone Receptor Nucleic Acids, Polypeptides, and Uses Thereof
A01284	US 60/325096	09/26/01	expired	Leafhopper Ecdysone Receptor Nucleic Acids, Polypeptides, and Uses Thereof
A01284	PCT/US02/05026	02/20/02	pending	Leafhopper Ecdysone Receptor Nucleic Acids, Polypeptides, and Uses Thereof
A01310	US 60/329211	10/12/01	pending	Systems for Site Specific Alteration of Genomes
A01282	US 60/342,614	12/20/01	pending	In Vitro Biosensor Composition Containing a Ligand-Dependent Nuclear Receptor Ligand Binding Domain
A01282A	US 60/342639	12/20/01	pending	In Vitro Biosensor Composition Containing a Ligand-Dependent Nuclear Receptor Ligand Binding Domain
A01308	US 60/348427	01/14/02	pending	Minimal DNA Binding Domain Polynucleotides, Polypeptides, and Uses Thereof
A01381	US 60/466,233	02/10/03	pending	Diacylhydrazine ligands for modulating the expression of exogenous genes in mammalian systems via an ecdysone receptor complex
A01494	US 60/449,467	02/21/03	pending	Oxadiazoline ligands for modulating the expression of exogenous genes via an ecdysone receptor complex
A01500	US 60/451,124	02/28/03	pending	Fluxinal boron-containing diacylhydrazine ligands for modulating the expression of exogenous genes in mammalian systems via an ecdysone receptor complex

Marks:

Trademark	Country	Status	App. No.	Filing Date	Reg. No.	Reg. Date	Next Renewal
EXPRESSIT	US	Pub.	75886182	03-Jan-2000			
GENEOFF	European Community	Reg.	001058114	26-Jan-1999	001058114	26-Jan-1999	26-Jan-2009
GENEOFF	Japan	Reg.	707071998	21-Aug-1998	4306058	13-Aug-1999	13-Aug-2009
GENEOFF IN KK	Japan	Reg.	707081998	21-Aug-1998	4306059	13-Aug-1999	13-Aug-2009
GENEON	European Community	Reg.	001058155	26-Jan-1999	001058155	26-Jan-1999	26-Jan-2009
GENEON	Japan	Reg.	707051998	21-Aug-1998	4306056	13-Aug-1999	13-Aug-2009
GENEON IN KK	Japan	Reg.	707061998	21-Aug-1998	4306057	13-Aug-1999	13-Aug-2009

GENESWITCH	Japan	Reg.	0251761998	02-Mar-1998	4267036	23-Apr-1999	23-Apr-2009
GENESWITCH	Japan	Reg.	251771998	27-Mar-1998	4283292	11-Jun-1999	11-Jun-2009
GS	European Community	Reg.	001058213	26-Jan-1999	001058213	26-Jan-1999	26-Jan-2009
GS	US	Reg.	75925734	23-Feb-2000	2539191	19-Feb-2002	19-Feb-2012
RHEOCEPT	US	Pub.	78072964	09-Jul-2001			
RHEOCHEM	US	Pub.	78072974	09-Jul-2001			
RHEOSWITCH	US	Pub.	78030342	12-Oct-2000			
RHEOGENE	US	Pub	75767536	04-Aug-1999			
RHEOGENE & Design	US	Reg	76180837	14-Dec-2000	2509853	20-Nov-2001	20-Nov-2011