

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
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<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Large Scale Biology Corporation	09/07/2007

<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Novici Biotech LLC
<b>Street Address:</b>	3333 Vaca Valley Parkway
<b>Internal Address:</b>	Suite 400
<b>City:</b>	Vacaville
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95688

<b>PROPERTY NUMBERS Total: 12</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	7217514
Patent Number:	7235386
Patent Number:	7056740
Patent Number:	7078211
Patent Number:	7273739
Patent Number:	6468745
Application Number:	11768157
Application Number:	10637758
Application Number:	10280913
Application Number:	10066390
Application Number:	10684134
Application Number:	10893056

<b>CORRESPONDENCE DATA</b>
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**CH \$480.00 7217514**

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NAME OF SUBMITTER:

Wayne P. Fitzmaurice

**Total Attachments: 10**

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## PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment") is entered into as of September 7, 2007, by and between Large Scale Biology Corporation, a Delaware corporation, having its principal place of business at 3333 Vaca Valley Parkway, Suite 900, Vacaville, California 95688 ("Assignor" or "LSBC"), and Novici Biotech LLC, a Delaware limited liability company, having its registered office at 1520 East Covell Blvd., B5 #103, Davis, CA 95616 ("Assignee" or "Novici"). The Assignor and the Assignee are sometimes referred to herein collectively as the "Parties" and individually as a "Party."

WHEREAS, Assignor is the owner of all right, title and interest in and to the certain patents and patent applications more specifically described in Exhibit A (collectively the "Patents"), and in and to the inventions claimed and disclosed in the Patents; and

WHEREAS, the Parties entered into that Asset Purchase Agreement ("APA") dated as of August 20, 2007, pursuant to which Assignor agreed to sell to Assignee, as is, certain assets including the Patents; and

WHEREAS, Assignee seeks the full and entire right, title and interest in and to the Patents, and the inventions claimed and disclosed in the Patents and all other legal protection obtainable therefor throughout the world, and in any other country in which legal protection may be sought and enforced for said inventions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound hereby, the Parties hereby agree as follows:

1. Assignor hereby sells, assigns and transfers to Assignee, and Assignee's lawful successors and assigns, the entire right, title and interest in and to the Patents, the inventions as claimed and disclosed in the Patents and other legal protection based thereon or obtainable therefor throughout the world, together with all rights of priority, in and to Assignor's inventions as described and claimed in such Patents, including divisionals, continuations, continued prosecutions (if and to the extent they claim the same subject matter) and their international equivalents, renewals, substitutes and reissues thereof throughout the world, and all rights of priority resulting from or claimed by any of these patent applications, as well as all foreign counterparts and extensions thereof, together with all patents issuing on any of these applications to be held and enjoyed by Assignee, including without limitation the right to sue and collect for past infringement, to be held and enjoyed by Assignee for its own use and benefit, and for the benefit of its legal representatives, successors and assigns, to the full end of the terms of all of the patents which may be granted on the inventions in this or any other country, as fully and entirely as the same would have been held by Assignor had this Assignment not been made.

2. Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks, and the appropriate office governing patents of any other country as appropriate, to record the Assignment as to each of said Patents, and to issue any and all Letters Patent of the United States, or of any other country throughout the world, for the inventions to Assignee, and

Assignee's lawful successors and assigns resulting from any of the aforesaid applications to the Assignee.

3. Assignor hereby covenants and agrees, without additional consideration, but at the expense of Assignee, to execute and deliver to Assignee, and Assignee's lawful successors and assigns, all lawful papers that may be necessary or desirable to perfect the title to any Patent or invention disclosed or claimed therein, and any divisionals, continuations, continued prosecutions (and their international equivalents), renewals, substitutes and reissues thereof throughout the world and any patents which may issue on the inventions. Assignor will, at any time, upon the request and without further consideration, but at the expense of Assignee, deliver any testimony in any legal proceedings and execute all papers and do all other things that may be necessary or desirable to perfect the title to the inventions, or any patents which may be granted therefor, in Assignee, its successors, assigns, or other legal representatives. Assignor will, at any time, upon the request and at the expense of Assignee, execute any continuations, divisionals, reissues, or any other additional applications for patents for the inventions or any part or parts thereof and any patents issuing thereon are hereby assigned to Assignee. Assignor will make all rightful oaths, and do all lawful acts required or assistance requested by Assignee for procuring and enforcing any of the patents, without further compensation, but at the expense of Assignee, its successors, assigns or other legal representatives.

[SIGNATURE PAGE TO FOLLOW]



LSBC GRAMMR Patents and Patent Applications-Exhibit A

Case No. Country Previous Case(s)	Title	Inventor(s)	Application Serial No. Filing Date	Patent No. Issue Date	Pub No. Pub. Date	Status	Technology
P-LG4413 United States	A Method for Reassorting Mutations Among Multiple DNA Sequences by In Vitro DNA Mismatch Repair (DMMR Reassortment)	PADGETT FITZMAURICE LINDBO	60/266,386 2/2/2001			Converted	GRAMMR
P-LG5356 United States D P-LG4878 10/066,390 2/1/2002	A Method of Increasing Complementarity in a Heteroduplex	PADGETT LINDBO FITZMAURICE	10/206,030 7/25/2002	7,217,514 5/15/2007	20020177160 11/28/2002	Issued Fee due 11/15/2010	GRAMMR
P-LG5357 United States D P-LG4878 10/066,390 2/1/2002	A Method of Increasing Complementarity in a Heteroduplex	PADGETT LINDBO FITZMAURICE	10/205,772 7/25/2002	7,235,386 6/26/2007	20030186261 10/2/2003	Issued Fee due 12/27/2010	GRAMMR
P-LG5357-CN01 United States C P-LG5357 10/205,772 7/25/2002	A Method of Increasing Complementarity in a Heteroduplex	PADGETT LINDBO FITZMAURICE	11/768,157 6/25/2007			Pending	GRAMMR
P-LG5392 United States	A Method of Increasing Complementarity in a Heteroduplex	PADGETT LINDBO FITZMAURICE	60/402,342 8/8/2002			Converted	GRAMMR
P-LG5392APP United States P P-LG5392 60/402,342 8/8/2002	A Method of Increasing Complementarity in a Heteroduplex	PADGETT LINDBO FITZMAURICE VAEWHONGS	10/637,758 8/8/2003		20040180352 9/16/2004	Pending	GRAMMR
LSBC-PLG5392- CIP United States P P-LG5392 60/402,342 8/8/2002 P P-LG4878	A Population of Polynucleotide Sequence Variants	PADGETT LINDBO FITZMAURICE	10/280,913 10/25/2002		20040110130 6/10/2004	Pending	GRAMMR

LSBC GRAMMR Patents and Patent Applications-Exhibit A

Case No. Country Previous Case(s)	Title	Inventor(s)	Application Serial No. Filing Date	Patent No. Issue Date	Pub No. Pub. Date	Status	Technology
10/066,390 2/1/2002 P-LG4600 United States	Method for Reassorting Mutations Among Multiple DNA Sequences by In Vitro DNA Mismatch Repair (DMMR-Reassortment)	PADGETT LINDBO FITZMAURICE	60/268,785 2/14/2001			Converted	GRAMMR
P-LG4878 United States P P-LG4413 60/266,386 2/2/2001 P P-LG4600 60/268,785 2/14/2001	Method of Increasing Complementarity in a Heteroduplex	PADGETT LINDBO FITZMAURICE	10/066,390 2/1/2002		20020146732 10/10/2002	Pending	GRAMMR
P-LG5297 United States	Method of Increasing Complementarity in a Heteroduplex	PADGETT	60/387,071 6/6/2002			Converted	GRAMMR
P-LG5414 United States P P-LG5392 60/402,342 8/8/2002 P P-LG4878 10/066,390 2/1/2002	Method of Increasing Complementarity in a Heteroduplex	PADGETT LINDBO FITZMAURICE	10/226,372 8/21/2002	12/28/2006	20050153283 7/14/2005	Abandoned	GRAMMR
P-LG10100 United States P P-LG5060 60/353,722 2/1/2002 P P-LG5381 10/211,079 8/1/2002 P P-LG5190 10/098,155 3/14/2002	Mismatch Endonucleases and Methods of Use	PADGETT VAEWHONGS VOJDANI SMITH LINDBO FITZMAURICE	10/356,708 1/31/2003	7,056,740 6/6/2006	20030157682 8/21/2003	Issued Fee due 12/7/2009	GRAMMR
P-LG5060 United States	Nucleic Acid Molecules Encoding Cell Endonuclease and Methods of Use Thereof	PADGETT VAEWHONGS VOJDANI SMITH	60/353,722 2/1/2002			Converted	GRAMMR
P-LG5190	Nucleic Acid Molecules Encoding	PADGETT	10/098,155		20030157495	Abandoned	GRAMMR

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Case No. Country Previous Case(s)	Title	Inventor(s)	Application Serial No. Filing Date	Patent No. Issue Date	Pub No. Pub. Date	Status	Technology
United States P P-LG5060 60/353,722 2/1/2002	Cell I Endonuclease and Methods of Use Thereof	VAEWHONGS VOJDANI SMITH	3/14/2002		8/21/2003		
P-LG5190-DV01 United States D P-LG5190 10/098,155 3/14/2002	Nucleic Acid Molecules Encoding Cell I Endonuclease and Methods of Use Thereof	PADGETT VAEWHONGS VOJDANI SMITH	11/080,033 3/14/2005	7/12/2006	20050210543 9/22/2005	Abandoned	GRAMMR
P-LG5381 United States P P-LG5190 10/098,155 3/14/2002	Nucleic Acid Molecules Encoding Endonucleases and Methods of Use Thereof	PADGETT VAEWHONGS	10/211,079 8/1/2002	7,078,211 7/18/2006	20030148315 8/7/2003	Issued Fee due 1/19/2010	GRAMMR
P-LG5381-CN01 United States C P-LG5381 10/211,079 8/1/2002	Nucleic Acid Molecules Encoding Endonucleases and Methods of Use Thereof	PADGETT VAEWHONGS	11/417,448 5/3/2006		US-2006- 0194288-A1 8/31/2006	Allowed Fee due 9/19/2007	GRAMMR
1328-005 United States P P-LG5392APP 10/637,758 8/8/2003 P P-LG5414 10/226,372 8/21/2002 P LSBC-PLG5392- CIP 10/280,913 10/25/2002 Z P-LG4878 10/066,390 2/1/2002	Polynucleotide Sequence Variants	PADGETT LINDBO FITZMAURICE VAEWHONGS VOJDANI SMITH	10/684,134 10/10/2003		20040142433 7/22/2004	Pending	GRAMMR
00801-0137-US02 United States P 00801-0137-US01 09/232,170 1/15/1999	Method for Expressing a Library of Nucleic Acid Sequence Variants and Selecting Desired Traits	FITZMAURICE LINDBO POGUE PADGETT	09/359,304 7/21/1999	6,468,745 10/22/2002		Issued Fee due 4/22/2010	GRAMMR Genomics



LSBC GRAMMR Patents and Patent Applications-Exhibit A

Case No. Country Previous Case(s)	Title	Inventor(s)	Application Serial No. Filing Date	Patent No. Issue Date	Pub No. Pub. Date	Status	Technology
P-LG4412 United States	Methods for Homology-Driven Reassembly of Nucleic Acid Sequences	PADGETT FITZMAURICE LINDBO	09/775,049 1/31/2001		20030036641 2/20/2003	Abandoned	GRAMMR; (not GRAMMR Shuffling)
00801-0137-999 United States	Method of Determining the Function of Nucleotide Sequences and the Proteins They Encode by Transfecting the Same into a Host	DELLA- CIOPPA ERWIN KUMAGAI	09/008,186 1/16/1998			Abandoned	GRAMMR; Genomics
00801-0137-CN18 United States C 00801-0137-US01 09/232,170 1/15/1999	Method of Determining the Function of Nucleotide Sequences and the Proteins They Encode by Transfecting the Same into a Host	DELLA- CIOPPA ERWIN FITZMAURICE HANLEY KUMAGAI LINDBO MCGEE PADGETT POGUE	10/072,438 2/5/2002		20030027173 2/6/2003	Abandoned	GRAMMR; Genomics
00801-0137-US01 United States P 00801-0137-999 09/008,186 1/16/1998	Method of Determining the Function of Nucleotide Sequences and the Proteins They Encode by Transfecting the Same into a Host	DELLA- CIOPPA ERWIN FITZMAURICE HANLEY KUMAGAI LINDBO MCGEE PADGETT POGUE	09/232,170 1/15/1999			Abandoned	GRAMMR; Genomics
LSBC-0137-CN18B United States C 00801-0137- CN18 10/072,438 2/5/2002	Method of Determining the Function of Nucleotide Sequences and the Proteins They Encode by Transfecting the Same into a Host	DELLA- CIOPPA ERWIN FITZMAURICE HANLEY KUMAGAI LINDBO MCGEE	10/893,056 7/16/2004		20050005319 1/6/2005	Pending	GRAMMR; Genomics

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Case No. Country Previous Case(s)	Title	Inventor(s)	Application Serial No. Filing Date	Patent No. Issue Date	Pub No. Pub. Date	Status	Technology
		PADGETT POGUE					
FP-LG5058 PCT US Case: P-LG4413	A Method of Increasing Complementarity in a Heteroduplex	PADGETT FITZMAURICE LINDBO	PCT/US02/0305 5 2/1/2002		WO 02/079468 10/10/2002	Done	GRAMMR
FP-LG10090 PCT US Case: P-LG5060	Mismatch Endonucleases and Methods of Use	PADGETT VAEWHONGS VOJDANI SMITH LINDBO FITZMAURICE	PCT/US03/0295 8 1/31/2003		WO 03/066809 8/14/2003	Done	GRAMMR
34150/0024PCT PCT US Case: P-LG5392	Polynucleotide Sequence Variants	PADGETT LINDBO FITZMAURICE VAEWHONGS VOJDANI SMITH	PCT/US03/3374 2 10/24/2003		WO 05/010212 2/3/2005	Done	GRAMMR
FP-LG5142 PCT US Case: P-LG4412	Methods for Homology-Driven Reassembly of Nucleic Acid Sequences	PADGETT FITZMAURICE LINDBO	PCT/US02/0308 9 1/30/2002		WO 02/061142 8/8/2002	Abandoned	GRAMMR (not GRAMMR Shuffling)
00801-0137-PC03 PCT US Case: 00801- 0137-US02	Method for Expressing a Library of Nucleic Acid Sequence Variants and Selecting Desired Traits	FITZMAURICE LINDBO POGUE PADGETT	PCT/US00/2014 3 7/21/2000		WO 01/07641 2/1/2001	Abandoned	GRAMMR; Genomics
FP-LG5058-AU Australia US Case: P-LG4413	A Method of Increasing Complementarity in a Heteroduplex	PADGETT FITZMAURICE LINDBO	2002314712 2/1/2002			Pending Fee due 2/1/2008	GRAMMR
FP-LG5058-CA Canada US Case: P-LG4413	A Method of Increasing Complementarity in a Heteroduplex	PADGETT FITZMAURICE LINDBO	2,436,214 2/1/2002			Pending Fee due 2/1/2008	GRAMMR
FP-LG5058-EP EPO US Case: P-LG4413	A Method of Increasing Complementarity in a Heteroduplex	PADGETT FITZMAURICE LINDBO	02741635.3 2/1/2002		1358322 11/5/2003	Pending Fee due 2/1/2008	GRAMMR

LSBC GRAMMR Patents and Patent Applications-Exhibit A

Case No. Country Previous Case(s)	Title	Inventor(s)	Application Serial No. Filing Date	Patent No. Issue Date	Pub No. Pub. Date	Status	Technology
FP-LG5058-JP Japan US Case: P-LG4413	A Method of Increasing Complementarity in a Heteroduplex	PADGETT FITZMAURICE LINDBO	2002-578470 2/1/2002		2005-507641 3/24/2005	Pending	GRAMMR
FP-LG5058-ZA South Africa US Case: P-LG4413	A Method of Increasing Complementarity in a Heteroduplex	PADGETT FITZMAURICE LINDBO	2003/6203 2/1/2002	2003/6203 11/30/2005		Issued Fee due 2/1/2008	GRAMMR
FP-LG10090-AU Australia US Case: P-LG5060	Mismatch Endonucleases and Methods of Use	PADGETT VAEWHONGS VOJDANI SMITH LINDBO FITZMAURICE	2003207776 1/31/2003			Pending Fee due 1/31/2008	GRAMMR
FP-LG10090-CA Canada US Case: P-LG5060	Mismatch Endonucleases and Methods of Use	PADGETT VAEWHONGS VOJDANI SMITH LINDBO FITZMAURICE	2,473,187 1/31/2003			Pending Fee & Request for Exam due 1/31/2008	GRAMMR
FP-LG10090-EP EPO US Case: P-LG5060	Mismatch Endonucleases and Methods of Use	PADGETT VAEWHONGS VOJDANI SMITH LINDBO FITZMAURICE	03706015.9 1/31/2003			Granted Fee due 8/31/2007	GRAMMR
FP-LG10090-JP Japan US Case: P-LG5060	Mismatch Endonucleases and Methods of Use	PADGETT VAEWHONGS VOJDANI SMITH LINDBO FITZMAURICE	2003-566160 1/31/2003		2005-529586 10/6/2005	Pending	GRAMMR
34150/0031AU Australia	Polynucleotide Sequence Variants	PADGETT LINDBO	2003284904 10/24/2003			Pending Fee due	GRAMMR

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Case No. Country Previous Case(s)	Title	Inventor(s)	Application Serial No. Filing Date	Patent No. Issue Date	Pub No. Pub. Date	Status	Technology
US Case: P-LG4413		FITZMAURICE VAEWHONGS VOJDANI SMITH				10/24/2008	
34150/0032CA Canada US Case: P-LG4413	Polynucleotide Sequence Variants	PADGETT LINDBO FITZMAURICE VAEWHONGS VOJDANI SMITH	2,502,923 10/24/2003			Pending Fee due 10/24/2007	GRAMMR
34150/0033EP EPO US Case: P-LG4413	Polynucleotide Sequence Variants	PADGETT LINDBO FITZMAURICE VAEWHONGS VOJDANI SMITH	03779225.6 10/24/2003		1554406 7/20/2005	Pending Fee due 10/24/2007	GRAMMR
34150/0034JP Japan US Case: P-LG4413	Polynucleotide Sequence Variants	PADGETT LINDBO FITZMAURICE VAEWHONGS VOJDANI SMITH	2005-504649 10/24/2003			Pending	GRAMMR
34150/0035ZA South Africa US Case: P-LG4413	Polynucleotide Sequence Variants	PADGETT LINDBO FITZMAURICE VAEWHONGS VOJDANI SMITH	2005/02987 10/24/2003			Allowed Fee due 5/29/2008	GRAMMR
00801-0137-PCJP04 Japan US Case: 00801- 0137-US04	Method of Correlating Sequence Function by Transfecting a Nucleic Acid Sequence of a Donor Organism Into a Plant Host in an Anti-Sense or Positive Sense Orientation	KUMAGAI DELLA- CIOPPA ERWIN MCGEE	2001-512869 7/21/2000			Abandoned 7/21/07	GRAMMR; Viral Vector Systems; Genomics

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