8/22/05

RATION (mm-ss):02-46 03-15-2006 PAGE 4/11 * RCVD AT 3/9/2006 3:05:40 PM [Eastern Standard Ti

FORM PTO-1595 103152902 **SHEET** **U.S. Department of Commerce**

To the Honorable Commissione[illegible] the attached original documents or copy thereof.

1. Name and address of conveying party(ies):
   Name: Sention, Inc.
   Street Address: One Richmond Square
   City: Providence
   State: RI ZIP: 02906
   Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):
   Name: Primera Diagnostics, Inc.
   Internal Address:
   Internal Address:
   Street Address: One Richmond Square
   City: Providence
   State: RI ZIP: 02906
   Additional name(s) and address(es) attached? ☐ Yes ☒ No

3. Nature of Conveyance:
   ☒ Assignment ☐ Merger
   ☐ Security Agreement ☐ Change of Name
   ☐ Other
   Execution Date: April 29, 2005

4. Application number(s) or registration numbers:
   If being submitted with New Application, execution date of application is:

A. Patent Application No.(s) 10/113,034;
10/464,941;
10/387,286;
10/719,185;
10/600,201
60/439,122;
10/752,123;
10/719,746;
60/440,010;
60/550,512; and
60/636,770.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name: Kathleen Williams
   Internal Address: Edwards Angell Palmer & Dodge LLP
   Street Address: 111 Huntington Avenue
   City: Boston State: MA ZIP: 02199

6. Total number of application and patents involved: 11
7. Total fee (37 CFR 3.41)..... $ 440.00
   ☐ Enclosed
   ☒ Authorized to charge deficiencies to deposit account
8. Deposit account number: 16-0085 Ref. 219781/1
   (Attach duplicate copy of this page if paying by deposit account)

FEE OK

DO NOT USE THIS SPACE

9. Statement and signature.
   To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

MAR 09 2006 15:09 FR PALMER & DODGE TO 9157127397 91 P.04

ASSIGNMENT OF PATENTS

WHEREAS, Sention, Inc., a Delaware corporation ("**Assignor**") having its principal place of business at One Richmond Square, Providence, Rhode Island, is the owner of certain patents (the "**Patents**") and patent applications (the "**Patent Applications**") set forth on Exhibit A attached hereto, and the inventions described in and claimed therein (the "**Inventions**"); and,

WHEREAS, Primera Diagnostics, Inc., a Delaware corporation having a principal place of business at One Richmond Square, Providence Rhode Island ("**Assignee**"), is desirous of acquiring the entire right, title and interest of Assignor in and to said Patents, Patent Applications and Inventions.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor does hereby assign, transfer and convey, unto said Assignee, its successors and assigns, its entire right, title and interest in and to the Patents and Patent Applications, and the Inventions disclosed therein, as set forth and described in Exhibit A attached hereto, and all divisions, continuations, continuations-in-part and renewals of such Patents and Patent Applications and all patents which may be granted on such Patent Applications, in any country, and all reissues, re-examinations and extensions thereof for such Patents or for patents which may issue from such Patent Applications, in any country, together with the right to file applications and the right to claim for the same the priority rights derived from said Patent Applications; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for the Inventions in any country and all extensions, renewals and reissues thereof; together with all claims for damages by reason of past infringement, with the right to sue for, and collect the same for the use of Assignee, its successors and assigns.

ASSIGNOR HEREBY AGREES to take all actions, and to execute and deliver all additional instruments and documents, as Assignee may reasonably request for the purpose of carrying out this Assignment and the transactions contemplated hereby including, but not limited to, all instruments and documents necessary to transfer the Patents in the United States and any foreign countries.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

ASSIGNOR HEREBY COVENANTS AND AGREES that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict herewith.

IN WITNESS WHEREOF, Assignor has executed and delivered this Assignment as of April [29], 2005.

SENTION, INC.

Signature

Randall L. Carpenter

Printed Name

President & CEO

Title

State of _____

Country of _____

Subscribed and sworn to before me this ____ day of _____, _____.

_____

Notary Public

My commission expires _____.

EXHIBIT A

STATUS	P&D Matter #	Inventor Name	Serial #, filing date Assignment Status	Title/Claims	Remarks/Actions Due
US MATTERS					
Published	2012	Vladimir I. Slepnev	USSN 10/113,034, filed 04/01/02. Claims priority to 60/346140, filed 10/24/01.	Methods and Systems for Dynamic Gene Expression Profiling Claims are drawn to methods for comparing gene expression profiles of two or more samples using sequence-tagged primers. Claims are also drawn to compositions comprising such primers.	Response to OA due December 30, 2004, (w/extensions to January 30, 2005.
Published	2022	Vladimir I. Slepnev	USSN 10/464,941, filed 06/19/03. Claims priority to 60/390,269, filed 06/20/02.	Apparatus for Polynucleotide Detection and Quantitation Claims are drawn to apparatus for expression profiling, comprising: an amplification device and an analysis device.	
Published	2032	Vladimir I. Slepnev	USSN 10/387,286, filed 03/12/03. Claims priority to 60/372,045, filed 4/12/02.	Real Time Gene Expression Profiling Claims are drawn to method for monitoring the amplification of a nucleic acid sequence using specific primer pairs.	
Pending	2035	Vladimir I. Slepnev	USSN 10/719,185, filed 11/21/03. CIP of 10/387,286, filed 3/12/03; 60/428,038, filed 11/21/02; 60/440,010, filed 1/14/03; 60/372,045, filed 4/12/02.	Quantitative Analysis of Expression Profiling Information Produced at Various States of an Amplification Process Claims are drawn to method of analyzing a nucleic acid amplification, comprising dispensing or withdrawing an aliquot from the reaction mixture at plural stages during the amplification.	
Pending	2042	Vladimir I. Slepnev	USSN 10/600,201, filed 06/20/03. Claims priority to 60/392,331, filed 06/28/02.	Methods of Detecting Sequence Differences an upstream amplification primer and a set of Claims are drawn to methods of determining the identity of the nucleotide at a known polymorphic site, using an upstream amplification primer and a set of distinguishably labeled downstream amplification primers, each member of said set of downstream amplification primers comprising a tag sequence. Claims are also drawn to kits containing such primers.	
	2051	Vladimir I. Slepnev	USSN 60/439,122, filed 01/10/03.	Methods of Detecting Differences in Genomic Sequence Representation Claims are drawn to methods of determining a variation in the representation of an elected target DNA sequence using an upstream primer comprising an upstream tag sequence and a covalently linked hybridization region that can anneal to a sequence at a known distance upstream of the elected target DNA sequence; and a downstream primer comprising a downstream tag sequence and a covalently linked hybridization region that can anneal to an elected target DNA sequence within said genomic DNA sample. Claims are also drawn to kits containing such primers.	

Pending	2052	Vladimir I. Slepnev	USSN 10/752,123, filed 01/06/04. Claims priority to 60/439,122, filed 01/10/03.	Methods of Detecting Differences in Genomic Sequence Representation Claims are drawn to methods of determining a variation in the representation of an elected target DNA sequence using an upstream primer comprising an upstream tag sequence and a covalently linked hybridization region that can anneal to a sequence at a known distance upstream of the elected target DNA sequence; and a downstream primer comprising a downstream tag sequence and a covalently linked hybridization region that can anneal to an elected target DNA sequence within said genomic DNA sample. Claims are also drawn to kits containing such primers.	
Pending	2062	Vladimir I. Slepnev	USSN 10/719,746, filed 11/21/03. Claims priority to 60/428,038, filed 11/21/02; 60/439,982, filed 1/14/03.	Quantitative Analysis of Expression Profiling Information Produced at Various States of an Amplification Process Claims are drawn to dispensing apparatus.	
	2071	Vladimir I. Slepnev	USSN 60/440,910, filed 01/14/03.	Sampling Method for Amplication Reaction Analysis Claims are drawn to methods of analyzing a nucleic acid amplification, comprising dispensing an aliquot from the reaction mixture at plural stages during the amplification.	Subject matter incorporated into 2055 and 2068.
Pending	2091	Vladimir I. Slepnev	USSN 60/550512, filed 03/05/04.	Compositions and Methods for SARS Virus Detection Claims are drawn to methods for SARS detection using specific primers and compositions containing such primers.	
Unfiled	2101	Vladimir I. Slepnev		Compositions and Methods for Microorganism Detection Claims will be drawn to STAR technology for two or more microorganism detection using microorganism-specific primers.	Waiting for instruction from client.
Unfiled	2111	Vladimir I. Slepnev		Compositions and Methods for Polynucleotide Amplification and Detection Claims will be drawn to DNA polymerases for STAR technology.	Waiting for instruction from client.
Unfiled	2121	Vladimir I. Slepnev		Compositions and Methods for Polynucleotide Detection by PCR and Capillary Electrophoresis Claims will be drawn to STAR technology using labeled dNTP and unlabeled primers.	Waiting for instruction from client.
FOREIGN MATTERS					
Published	2018	Vladimir I. Slepnev	APP NO. US02/34056, filed 10/24/02. Claims priority from 60/346,140 filed 10/24/01 and 10/113034 filed 04/01/02.	Methods and Systems for Dynamic Gene Expression Profiling Claims see 2012	National stage applications filed
Pending	2019AU	Vladimir I. Slepnev	APP. NO. 2002349908, filed 10/24/02	Methods and Systems for Dynamic Gene Expression Profiling	Annuity Due – Oct. 24, 2007 Request Exam – FINAL – Oct. 24, 2007

Pending	2019CA	Vladimir I. Slepnev	APP. NO. (Pending, filed 10/24/02.	Methods and Systems for Dynamic Gene Expression Profiling	Deferred Exam – FINAL Oct. 24, 2007
Pending	2019EP	Vladimir I. Slepnev	APP. NO. 02786493.3, filed 10/24/02.	Methods and Systems for Dynamic Gene Expression Profiling	
Pending	2019JP	Vladimir I. Slepnev	APP. NO. 2003538342, filed 10/24/02.	Methods and Systems for Dynamic Gene Expression Profiling	Request Exam – FINAL – Oct. 24, 2005
Pending	2019KP	Vladimir I. Slepnev	APP. NO. 2004-7006047, filed 10/24/02.	Methods and Systems for Dynamic Gene Expression Profiling	Request Exam – FINAL – Oct. 24, 2007
Published	2028	Vladimir I. Slepnev	APP NO. US03/19518, filed 06/19/03. Claims priority from 60/390,269, filed 06/20/02.	Apparatus for Polynucleotide Detection and Quantition Claims see 2022	National Phase Deadline, final due date Dec. 20, 2004.
Pending	2038	Vladimir I. Slepnev	APP. NO. US04/007544, filed 3/11/04.	Real Time Gene Expression Profiling	Ch II Demand Deadline – Oct. 12, 2004 Chapter I Due (20 mo – Nov. 12, 2004 National Phase Deadline, final due date Sep. 12, 2005.
Published	2042	Vladimir I. Slepnev	APP NO. US03/19576, filed 06/20/03. Claims priority from 60/392,331, filed 06/28/02.	Methods of Detecting Sequence Differences Claims see 2042	National Phase Deadline, final due date Dec. 28, 2004.
Pending	2052	Vladimir I. Slepnev	APP NO. US04/00050, filed 01/06/04. Claims priority from 60/439,122, filed 01/10/03.	Methods of Detecting Differences in Genomic Sequence Representation Claims see 2052	National Phase Deadline, final due date July 10, 2005.
Pending	2062	Vladimir I. Slepnev	APP NO. US03/37420 filed 11/21/03. Claims priority to 60/428,038, filed 11/21/02; 60/439,982, filed 1/14/03; 60/440,010, filed 1/14/03.	Quantitative Analysis of Expression Profiling Information Produced at Various Stages of an Amplification Process Claims see 2062 and 2071	National Phase Deadline, final due date May 21, 2005.

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