# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3352106

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|---|---|
| **SUBMISSION TYPE:** | NEW ASSIGNMENT |
| **NATURE OF CONVEYANCE:** | ASSIGNMENT |

**CONVEYING PARTY DATA**

| Name | Execution Date |
|---|---|
| APPLERA CORPORATION | 10/09/2007 |

**RECEIVING PARTY DATA**

| | |
|---|---|
| **Name:** | ASURAGEN, INC. |
| **Street Address:** | 2150 WOODWARD STREET |
| **Internal Address:** | SUITE 100 |
| **City:** | AUSTIN |
| **State/Country:** | TEXAS |
| **Postal Code:** | 78744 |

**PROPERTY NUMBERS Total: 13**

| Property Type | Number |
|---|---|
| **Application Number:** | 13190232 |
| **Application Number:** | 14459074 |
| **Application Number:** | 14459119 |
| **Application Number:** | 14459158 |
| **Application Number:** | 14459182 |
| **Application Number:** | 14459192 |
| **Application Number:** | 13299255 |
| **Application Number:** | 13761284 |
| **Application Number:** | 13887008 |
| **Application Number:** | 14012302 |
| **Application Number:** | 11837487 |
| **Application Number:** | 11837488 |
| **Application Number:** | 11837490 |

**CORRESPONDENCE DATA**

**Fax Number:**

***Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.***

**Phone:** (650) 493-9300
**Email:** patentdocket@wsgr.com, jcantrallhuddleston@wsgr.com

| | |
|---|---|
| **Correspondent Name:** | WILSON SONSINI GOODRICH & ROSATI |
| **Address Line 1:** | 650 PAGE MILL ROAD |
| **Address Line 4:** | PALO ALTO, CALIFORNIA 94304 |

| | |
|---|---|
| **ATTORNEY DOCKET NUMBER:** | 48436-701 |
| **NAME OF SUBMITTER:** | JENNIFFER HUDDLESTON |
| **SIGNATURE:** | /Jenniffer C. Huddleston/ |
| **DATE SIGNED:** | 05/13/2015 |

**Total Attachments: 3**
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source=3-Mirna Applera to Asuragen#page3.tif

# PATENT ASSIGNMENT

**THIS PATENT ASSIGNMENT** (this "Assignment") is made and entered into as of March 2, 2006 (the "Effective Date") by and between Applera Corporation, a Delaware corporation, through its Applied Biosystems Group with offices at 850 Lincoln Centre Drive, Foster City, CA 94404 ("Assignor"), and Asuragen, Inc., a Delaware corporation, with its principal office at 2150 Woodward Street, Suite 100, Austin, TX 78744 ("Assignee").

**WHEREAS,** Assignor and Assignee are parties to a certain Cross License and Co-Existence Agreement dated March 2, 2006 (the "Agreement"); and

**WHEREAS,** pursuant to the Agreement, Assignor wishes to assign to Assignee, and Assignee wishes to acquire from Assignor, all right, title and interest in and to (1) the United States patents set forth on Schedule A hereto, which are conveyed together with all rights to sue for past or future infringements, (2) the United States patent applications set forth on Schedule B hereto, and all patents issuing from such applications, (3) the Patent Cooperation Treaty applications set forth on Schedule C hereto, and all foreign counterparts issuing from such applications, and all United States and foreign patents and patent applications, not otherwise identified above, that disclose and claim any of the inventions identified in Schedules A, B and C hereto, and (4) all continuation, divisional, continuation-in-part, reissue, reexamination and extension applications filed in the United States and in any foreign country that claim priority to or from or have identical disclosure as any one of more of the United States and foreign patents, patent applications, or inventions identified in (1), (2), and/or (3) above, and all intellectual property rights issuing or resulting therefrom (collectively referred to herein as the "Patents").

**NOW, THEREFORE,** for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby sells, assigns, transfers and ~~sets over to Assignee the entire right~~, title and ~~interest in and~~ to the Patents, for the United States and for all foreign countries, including without limitation any and all other corresponding rights that are or may be secured under the laws of the United States and any foreign country, now or hereafter in effect, for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns or other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made, together with all income, royalties, damages or payments due or payable as of the Effective Date or thereafter, including, without limitation, all claims for damages by reason of past, present or future infringement or other unauthorized use of the Patents, with the right to sue for, and collect the same for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, or other legal representatives.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks, and the corresponding entities or agencies in any applicable foreign countries, to record Assignee as the assignee and owner of the Patents. To the extent reasonably necessary, Assignor will undertake all acts to assist Assignee in recording or otherwise establishing its rights as owner of the Patents and Applications listed on the Exhibits hereto.

**IN WITNESS WHEREOF,** Assignor has caused this Assignment to be executed by its duly authorized representatives as of the Effective Date above written.

**Applera Corporation, through Its Applied Biosystems Group**

John W. Burns

Name: John W. Burns, Ph.D., Esq.

Title: Director, Ambion Legal

STATE OF TEXAS §
§
COUNTY OF TRAVIS §

This instrument was acknowledged before me on October 9th, 2007 by John W. Burns, an individual acting on behalf of Applera Corporation, through its Applied Biosystems Group.

Angelia Kelly Ranney

Notary Public in and for the State of Texas
My Commission Expires: 2-18-2008

ANGELIA KELLY RANNEY
NOTARY PUBLIC STATE OF TEXAS
COMMISSION EXPIRES:
FEBRUARY 18, 2008

**SCHEDULE A**
**UNITED STATES PATENTS**

| US Patent # | Issue Date | Title |
|---|---|---|
| 5,677,124 | 10/14/97 | Ribonuclease Resistant Viral RNA Standards |
| 5,919,625 | 07/06/99 | Ribonuclease Resistant Viral RNA Standards |
| 5,939,262 | 08/17/99 | Ribonuclease Resistant RNA Preparation and Utilization |
| 6,399,307 | 06/04/02 | Methods of Quantifying Viral Load in an Animal with a Ribonuclease Resistant RNA Preparation |
| 7,033,749 | 04/25/06 | Ribonuclease Resistant RNA Preparation and Utilization |

**SCHEDULE B**
**UNITED STATES PATENT APPLICATIONS**

| Application # | Filing Date | Title |
|---|---|---|
| 60/021,145 | 07/03/96 | Method for Large Scale RNA Synthesis And Purification |
| 60/265,692 | 01/31/01 | Comparative Competitive Amplification of Fractionated Targets from Multiple Nucleic Acid Samples |
| 60/265,694 | 01/31/01 | Comparative analysis of nucleic acids using population tagging |
| 60/575,743 | 05/28/04 | Methods and compositions involving MicroRNA |
| 60/627,171 | 11/02/04 | Methods and Compositions Involving modified MiRNA molecules and MiRNA Inhibitor Molecules |
| 60/649,584 | 02/03/05 | Methods and compositions involving microRNA |
| 60/649,634 | 02/03/05 | Methods and Compositions Involving modified MiRNA molecules and MiRNA Inhibitor Molecules |
| 60/683,736 | 05/23/05 | Methods and Compositions Involving modified MiRNA molecules and MiRNA Inhibitor Molecules |
| 10/632,539 | 07/31/03 | Comparative Analysis of Nucleic Acids Using Population Tagging |
| 10/632,534 | 07/31/03 | Competitive Amplification of Fractionated Targets from Multiple Nucleic Acid Samples |
| 10/880,350 | 06/29/04 | Methods and compositions for preparing capped RNA |
| 10/883,186 | 07/01/04 | System and Method for Processing Results of a Complex Genetic Test |
| 10/963,415 | 10/12/04 | Methods and compositions for analyzing nucleic acids |
| 11/141,707 | 05/31/05 | Methods and compositions involving microRNA |
| 11/273,640 | 11/14/05 | Methods and Compositions Involving MiRNA and MiRNA |

**SCHEDULE C**
**PATENT COOPERATION TREATY APPLICATIONS**

| Serial No. | Filed | Title |
|---|---|---|
| PCT/US97/12551 | 07/02/97 | Ribonuclease Resistant RNA Preparation and Utilization - CIP |
| PCT/US05/22710 | 06/28/05 | Methods and Compositions for Preparing Capped RNA |
| PCT/US05/18826 | 05/31/05 | Methods and Compositions Involving MicroRNA |
| PCT/US05/36799 | 10/12/05 | Methods and Compositions for Analyzing Ribonucleic Acids (Amended) |
| PCT/US05/41162 | 11/14/05 | Methods and Compositions Involving Modified MiRNA Molecules And MiRNA Inhibitor Molecules |
| PCT/US02/03097 | 01/30/02 | Comparative Analysis of Nucleic Acids Using Population Tagging |
| PCT/US02/03169 | 01/30/02 | Competitive Amplification of Fractionated Targets from Multiple Nucleic Acid Samples |
| PCT/US05/23348 | 07/01/05 | System and Method for Processing Results of a Complex Genetic Test |