PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2969000

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| DAVID BECKER | 03/06/2009 |
| EDGAR MACBEAN | 03/06/2009 |
| JAMES PLANTE | 03/06/2009 |
| KATHRYN J. ELLIOTT | 03/06/2009 |

RECEIVING PARTY DATA

| Name: | PATHWAY GENOMICS |
|-----------------|----------------------------|
| Street Address: | 4045 SORRENTO VALLEY BLVD. |
| City: | SAN DIEGO |
| State/Country: | CALIFORNIA |
| Postal Code: | 92121 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14137395 |

CORRESPONDENCE DATA

Fax Number: (949)760-9502

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.

Email: efiling@knobbe.com

Correspondent Name: KNOBBE MARTENS OLSON & BEAR, LLP

Address Line 1: 2040 MAIN STREET

Address Line 2: 14TH FLOOR

Address Line 4: IRVINE, CALIFORNIA 92614

| ATTORNEY DOCKET NUMBER: | PATHG.004C1 |
|-------------------------|-------------|
| NAME OF SUBMITTER: | JING LIU |
| SIGNATURE: | /Jing Liu/ |
| DATE SIGNED: | 08/05/2014 |

Total Attachments: 4

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PATENT 502922402 REEL: 033468 FRAME: 0279

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PATENT REEL: 033468 FRAME: 0280

| ASSIGNMENT OF APPLICATION | Docket Number (Optional) 274.4 | | |
|---|--------------------------------|--|--|
| Whereas, I/We, David Becker of La Jolla | , hereafter | | |
| referred to as applicant, have invented certain new and useful improvements in | | | |
| for which an application for a United States Patent was filed on | | | |
| Application Number | | | |
| for which an application for a United States Patent was executed on | March 2009 and | | |
| Whereas, Pathway Genomics of San Diego | here referred | | |
| to "assignee" whose mailing address is 4045 Sorrento Valley Blvd, Sa | an Diego, CA 92121 is | | |
| desirous of acquiring the entire right, title and interest in the same; | | | |
| Now, therefore, in consideration of the sum of one dollars (\$ 1), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made. | | | |
| Executed this 6th day of March | , 20_09 | | |
| at San Diego | | | |
| David Becker | e L Bignature | | |
| Printed Name/Registration No., if applicable | | | |
| • | | | |
| | | | |
| Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, See below. | | | |

> PATENT REEL: 022502中天中世紀 0027

REEL: 033468 FRAME: 0281

Sample Form (former PTO/SB/15) (08-03)

| | Sample Form (former PTO/SB/15) (08-03) | | |
|--|--|--|--|
| ASSIGNMENT OF APPLICATION | Docket Number (Optional) | | |
| | 274.4 | | |
| Whereas, I/We, Edgar MacBean of La Jolla | hereafter | | |
| referred to as applicant, have invented certain new and useful improvement | ts in | | |
| Saliva Sample Collection Systems | | | |
| for which an application for a United States Patent was filed on | | | |
| Application Number | | | |
| for which an application for a United States Patent was executed on | March 2009 | | |
| Pathway Genomics San Diogo | | | |
| | here referred | | |
| b'assignee" whose mailing address is 4045 Sorrento Valley Blvd, S | an Diego, CA 92121 is | | |
| desirous of acquiring the entire right, title and interest in the same; | | | |
| Now, therefore, in consideration of the sum of | | | |
| Executed this 6th day of March | , 20 | | |
| San Diego | - | | |
| | | | |
| EM. | de- | | |
| | Signature | | |
| Edgar MacBe | an | | |
| Printed Name/F | Registration No., if applicable | | |
| | | | |
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| | | | |
| ole: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if lore than one signature is required, See below. | | | |
| √ Total of 4 forms are submitted. | | | |
| ils form offers a sample or suggested format for an assignment document. This sample form is not an OMB | officially approved form. | | |

PATENT REEL: 022502 FRAME: 0028

REEL: 033468 FRAME: 0282

| rereas, IWe, James Plante of La Jolla ferred to as applicant, have invented certain new and useful improvements in saliva Sample Collection Systems for which an application for a United States Patent was filed on | Sample Form (former PTO/SB/15) (08- |
|---|---|
| for which an application for a United States Patent was filed on | Docket Number (Optional) |
| for which an application for a United States Patent was filed on | 274.4 |
| for which an application for a United States Patent was filed on | , hereafter |
| for which an application for a United States Patent was filed on | |
| for which an application for a United States Patent was filled on | |
| Application Number for which an application for a United States Patent was executed on for which an application for a United States Patent was executed on for which an application for a United States Patent was executed on for which an application for a United States Patent was executed on for which an application of the sum of sassignee' whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing address is 4045 Sorrento Valley Blvd, San Exercise whose mailing a | |
| for which an application for a United States Patent was executed on Marce areas. Pathway Genomics of San Diego assignee" whose mailing address is 4045 Sorrento Valley Blvd, San E assignee whose mailing address is 4045 Sorrento Valley Blvd, San E arous of acquiring the entire right, title and Interest in the same; A, therefore, in consideration of the sum of one dollars (\$ 1 nowledge, and other good and valuable consideration, I/We, the applicant(s), transfer unto said assignee the full and exclusive right to the said invention in s, title and interest in and to any and all Patents which may be granted the by authorize and request the Director of the U.S. Patent and Trademark Of into said assignee, of the entire right, title, and interest in and to the same, the use and behoof of his legal representatives, to the full end of the term ted, as fully and entirely as the same would have been held by me had this entered this of the day of the printed Name/Regist signs and the printed Name/Regist printed Name/Regist the patents whose the printed Name/Regist printed Name/Regist the printed Name/Regist printed Name/Regis | |
| ereas, Pathway Genomics of San Diego assignee" whose mailing address is 4045 Sorrento Valley Blvd, San E irous of acquiring the entire right, title and interest in the same; irous of acquiring the entire right, title and interest in the same; irous of acquiring the entire right, title and interest in the same; irous of acquiring the entire right, title and interest in the same; irous of acquiring the entire right and interest in the same; irous of acquiring the entire right and interest in the same; irous of acquiring the entire right and interest in the same invention in standard and interest in and to any and all Patents which may be granted the by authorize and request the Director of the U.S. Patent and Trademark Of that to said assignee, of the entire right, title, and interest in and to the same, he use and behoof of his legal representatives, to the full end of the term ted, as fully and entirely as the same would have been held by me had this entire this acquired by the same would have been held by me had this signed. San Diego March San Diego | |
| assignee" whose mailing address is | ch 2009 , and |
| assignee" whose mailing address is | here referred |
| trous of acquiring the entire right, title and interest in the same; It, therefore, in consideration of the sum of | 7ipan CA 02424 |
| therefore, in consideration of the sum of | jis jis |
| transfer unto said assignee the full and exclusive right to the said invention is, title and interest in and to any and all Patents which may be granted then by authorize and request the Director of the U.S. Patent and Trademark Of ent to said assignee, of the entire right, title, and interest in and to the same, he use and behoof of his legal representatives, to the full end of the term ted, as fully and entirely as the same would have been held by me had this entered this | |
| San Diego Signa James Plante Printed Name/Regist | by these presents do sell, assign the United States and the entire refore in the United States. I/W ffice to issue said United State for his sole use and behoof; and for which said Patent may be assignment and sale not been |
| San Diego Signa James Plante Printed Name/Regist | 20 09 |
| Printed Name/Regist | |
| Sanghures of all the inventors or assigned as second of the author between the large and the large a | ature stration No., if applicable |
| Nanatures of all the inventors or assignage of speed of the authorities at the control of the co | |
| Signatures of all the inventors or assignees of record of the entire interest or their representative (nan one signature is required, See below*. | (s) are required. Submit multiple forms if |

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PATENT REEL: 022502 FR**RATE** NO 29

REEL: 033468 FRAME: 0283

| ASSIGNMENT OF APPLICATI | ON | Docket Number (C 274.4 | ptional) |
|---|---------------------------------|---------------------------|------------------------|
| Whereas, I/We, Kathryn J. Elliott | of La Jolla | | _, hereafter |
| referred to as applicant, have invented certain new and Saliva Sample Collection Systems | d useful improvements | in | |
| for which an application for a United States Paten Application Number | | | |
| for which an application for a United States Paten | it was executed on M | arch 2009 | , and |
| Whereas, Pathway Genomics of San Die | ego | h | ere referred |
| to "assignee" whose mailing address is 4045 Sorrer | nto Valley Blvd, Sa | n Diego, CA 921 | 21is |
| desirous of acquiring the entire right, title and interest in | the same; | | |
| Now, therefore, in consideration of the sum of one dollars (\$ 1), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made. | | | |
| Executed this 6th day of Marc | ch | 09 | |
| at San Diego | | | , |
| | Kathryn J. Elliot | tt | |
| | Printed Name/Ro | egistration No., if ap | plicable |
| | | | |
| | | | |
| | | | 5 |
| Note: Signatures of all the inventors or assignees of record of the entimore than one signature is required, See below*. | ire interest or their represent | ative(s) are required. Su | bmit multiple forms if |
| ✓ Total of ⁴ forms are submitted. | | | |

This form offers a sample or suggested format for an assignment document. This sample form is not an OMB officially approved form.

RECORDED: 03/25/2009

RECORDED: 08/05/2014

PATENT REEL: 022502-F/R-M/F/F: 0030

REEL: 033468 FRAME: 0284

Sample Form (former PTO/SB/15) (08-03)