

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|--|--------------------------------------|---------------|--------------------------------------|---------------------|------------------|-----------------|------------|----------------|---------------|--------------|-------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Anil S. Modak</td> <td>10/05/2010</td> </tr> <tr> <td>Kurogi Yasuhisa</td> <td>10/05/2010</td> </tr> </tbody> </table> | | Name | Execution Date | Anil S. Modak | 10/05/2010 | Kurogi Yasuhisa | 10/05/2010 | | | | |
| Name | Execution Date | | | | | | | | | | |
| Anil S. Modak | 10/05/2010 | | | | | | | | | | |
| Kurogi Yasuhisa | 10/05/2010 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Cambridge Isotope Laboratories, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>50 Frontage Road</td> </tr> <tr> <td>City:</td> <td>Andover</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>01810</td> </tr> </table> | | Name: | Cambridge Isotope Laboratories, Inc. | Street Address: | 50 Frontage Road | City: | Andover | State/Country: | MASSACHUSETTS | Postal Code: | 01810 |
| Name: | Cambridge Isotope Laboratories, Inc. | | | | | | | | | | |
| Street Address: | 50 Frontage Road | | | | | | | | | | |
| City: | Andover | | | | | | | | | | |
| State/Country: | MASSACHUSETTS | | | | | | | | | | |
| Postal Code: | 01810 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11848750</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 11848750 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 11848750 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number: (617)342-4001</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: jrobins@foley.com</p> <p>Correspondent Name: Michel Morency</p> <p>Address Line 1: 111 Huntington Ave</p> <p>Address Line 2: Foley & Lardner LLP</p> <p>Address Line 4: Boston, MASSACHUSETTS 02199</p> | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 340977-0502 | | | | | | | | | | |
| NAME OF SUBMITTER: | Michel Morency | | | | | | | | | | |
| <p>Total Attachments: 5</p> <p>source=Assignment Modak and Yasuhisa to CIL#page1.tif</p> <p>source=Assignment Modak and Yasuhisa to CIL#page2.tif</p> <p>source=Assignment Modak and Yasuhisa to CIL#page3.tif</p> | | | | | | | | | | | |

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ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Cambridge Isotope Laboratories, Inc.
50 Frontage Road
Andover, Massachusetts 01810

(hereinafter referred to singly and collectively as "ASSIGNEE") its successors and assigns, his full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

METHODS TO EVALUATE CYTOCHROME P450 2C19 ISOENZYME ACTIVITY USING
A BREATH TEST

as set forth in this United States Patent Application

check one ☐ executed concurrently herewith,
 ☐ executed on _____,
 ☒ Serial No. 11/848,750 Filed 8/31/2007

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 5th day of October, 2010.

Anil Modak

ANIL S. MODAK

State of Massachusetts

County of Essex

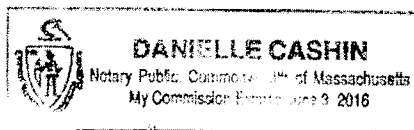
On this 5 day of October, 2010, before me, Danielle Cashin (a notary public in and for said county), personally appeared ANIL S. MODAK, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


Signature

My Commission Expires: 10/3/2016

(Seal)



Executed this 5 day of October, 2010.



KUROGI YASUHISA

State of _____)

County of JAPAN)

On this _____ day of _____, 20____, before me, _____ (a notary public in and for said county), personally appeared KUROGI YASUHISA, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal,

Signature _____

My Commission Expires: _____

(Seal)

Registered No. 322 - 2010

NOTARIAL CERTIFICATE

This is to certify that YASUHISA KUROGI signed the attached document in my presence on this 5th day of October, 2010.

Junji Miyashita

JUNJI MIYASHITA

NOTARY

Osaka Legal Affairs Bureau
1-2, Hirano-Machi, 2-Chome
Chuo-ku, Osaka Japan

