

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kenneth G. Caldeira</td> <td>02/11/2011</td> </tr> <tr> <td>Roderick A. Hyde</td> <td>12/13/2010</td> </tr> <tr> <td>Muriel Y. Ishikawa</td> <td>12/13/2010</td> </tr> <tr> <td>Jordin T. Kare</td> <td>12/20/2010</td> </tr> <tr> <td>John Latham</td> <td>12/14/2010</td> </tr> <tr> <td>Nathan P. Myhrvold</td> <td>12/27/2010</td> </tr> <tr> <td>Stephen H. Salter</td> <td>12/14/2010</td> </tr> <tr> <td>Clarence T. Tegreene</td> <td>12/14/2010</td> </tr> <tr> <td>David B. Tuckerman</td> <td>12/16/2010</td> </tr> <tr> <td>Thomas Allan Weaver</td> <td>12/27/2010</td> </tr> <tr> <td>Charles Whitmer</td> <td>02/08/2011</td> </tr> <tr> <td>Lowell L. Wood, Jr.</td> <td>01/01/2011</td> </tr> <tr> <td>Victoria Y.H. Wood</td> <td>12/13/2010</td> </tr> </tbody> </table> | | Name | Execution Date | Kenneth G. Caldeira | 02/11/2011 | Roderick A. Hyde | 12/13/2010 | Muriel Y. Ishikawa | 12/13/2010 | Jordin T. Kare | 12/20/2010 | John Latham | 12/14/2010 | Nathan P. Myhrvold | 12/27/2010 | Stephen H. Salter | 12/14/2010 | Clarence T. Tegreene | 12/14/2010 | David B. Tuckerman | 12/16/2010 | Thomas Allan Weaver | 12/27/2010 | Charles Whitmer | 02/08/2011 | Lowell L. Wood, Jr. | 01/01/2011 | Victoria Y.H. Wood | 12/13/2010 |
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| RECEIVING PARTY DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>Searete LLC</td> </tr> <tr> <td>Street Address:</td> <td>11235 S.E. 6th Street</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 200</td> </tr> <tr> <td>City:</td> <td>Bellevue</td> </tr> <tr> <td>State/Country:</td> <td>WASHINGTON</td> </tr> <tr> <td>Postal Code:</td> <td>98004</td> </tr> </table> | | Name: | Searete LLC | Street Address: | 11235 S.E. 6th Street | Internal Address: | Suite 200 | City: | Bellevue | State/Country: | WASHINGTON | Postal Code: | 98004 | | | | | | | | | | | | | | | | |
| Name: | Searete LLC | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Street Address: | 11235 S.E. 6th Street | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Internal Address: | Suite 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: | Bellevue | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| State/Country: | WASHINGTON | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Postal Code: | 98004 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12927315</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12927315 | | | | | | | | | | | | | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Application Number: | 12927315 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fax Number: | 8015786999 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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| ATTORNEY DOCKET NUMBER: | 46076/165 |
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| NAME OF SUBMITTER: | Kory D. Christensen |
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| Signature: | /Kory D. Christensen/ |
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| Date: | 07/11/2013 |
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Total Attachments: 36

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PATENT

REEL: 030784 FRAME: 0512

ASSIGNMENT

WHEREAS, we KENNETH G. CALDEIRA, RODERICK A. HYDE, MURIEL Y. ISHIKAWA, JORDIN T. KARE, JOHN LATHAM, NATHAN P. MYHRVOLD, STEPHEN H. SALTER, CLARENCE T. TEGREENE, DAVID B. TUCKERMAN, THOMAS ALLAN WEAVER, CHARLES WHITMER, LOWELL L. WOOD, JR. and VICTORIA Y.H. WOOD (hereinafter referred to as ASSIGNORS), having post office addresses of 3 Ventana Court, Redwood City, CA 94062; 9915 - 161st Avenue N.E., Redmond, WA 98052; 1185 Hillcrest Avenue, Livermore, CA 94550-4921; 908 - 15th Ave. East, Seattle, WA 98112; 601 East Street, Boulder, CO 80302-9771; 11235 S.E. 6th Street, Suite 200, Bellevue, WA 98004; 27 Blackford Road, Edinburgh, Scotland, United Kingdom EH9 2DT; 10629 N.E. 17th Street, Bellevue, WA 98004-2834; 3 Wellesley Court, Lafayette, CA 94549; 101 Arroyo Court No. 8, San Mateo, CA 94402; 15509 Uplands Way S.E., North Bend, WA 98045; 989 - 112th Avenue N.E. #2310, Bellevue, WA 98004, and 1185 Hillcrest Avenue, Livermore, CA 94550-4921, respectively, are the joint inventors of an invention entitled "TREATMENT OF RUMINANT EXHALATIONS," as described and claimed in the specification for which an application for United States letters patent was filed on November 10, 2010 and assigned Application No. 12/927,315 ; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 11235 S.E. 6th Street, Suite 200, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title

and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

11 Feb 2011

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Kenneth G. Caldeira

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Date

Roderick A. Hyde

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Jordin T. Kare

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John Latham

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Nathan P. Myhrvold

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Clarence T. Tegreene

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Charles Whitmer

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Lowell L. Wood, Jr.

Date

Victoria Y.H. Wood

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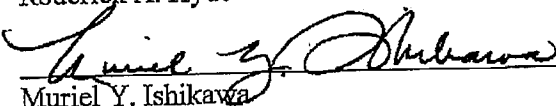
Date

Kenneth G. Caldeira

Date

Roderick A. Hyde

Date13 December 2010


Muriel Y. Ishikawa

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Lowell L. Wood, Jr.

December 13, 2010
Date

Victoria Y.H. Wood
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ASSIGNMENT

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WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 11235 S.E. 6th Street, Suite 200, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title

and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Date

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Date

Roderick A. Hyde

Date

Muriel Y. Ishikawa

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Jordin T. Kare

Date

John Latham

Dec 27, 2010

Date

Nathan P. Myhrvold

Date

Stephen H. Salter

Date

Clarence T. Tegreene

Date

David B. Tuckerman

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Thomas Allan Weaver

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Charles Whitmer

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Lowell L. Wood, Jr.

Date

Victoria Y.H. Wood

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14 Dec 2010

S. H. Salter

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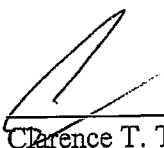
Date

Nathan P. Myhrvold

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12/14/12
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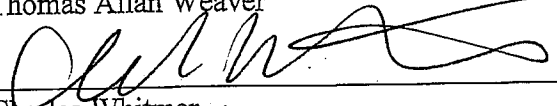
David B. Tuckerman

Date

Thomas Allan Weaver

Date

2/8/2011


Charles Whitmer

Date

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Date

Victoria Y.H. Wood

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Date

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