

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM439576

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|---|--|-----------------------|-----------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT | | |
| NATURE OF CONVEYANCE: | SECURITY INTEREST | | |
| CONVEYING PARTY DATA | | | |
| Name | Formerly | Execution Date | Entity Type |
| BioAmber Inc. | | 08/11/2017 | Corporation: DELAWARE |
| RECEIVING PARTY DATA | | | |
| Name: | Mitsui & Co., Ltd. | | |
| Street Address: | 3-1, Ohtemachi 1-chome, Chiyoda-ku | | |
| City: | Tokyo | | |
| State/Country: | JAPAN | | |
| Postal Code: | 100-8631 | | |
| Entity Type: | Corporation: JAPAN | | |
| PROPERTY NUMBERS Total: 9 | | | |
| Property Type | Number | Word Mark | |
| Registration Number: | 4021018 | BIOAMBER | |
| Serial Number: | 86601080 | BIOAMBER INSPIRED | |
| Registration Number: | 4117807 | BIOAMBER | |
| Registration Number: | 4491635 | BIO-SA | |
| Registration Number: | 4852310 | BIOAMBER | |
| Registration Number: | 4852308 | | |
| Registration Number: | 4852309 | | |
| Registration Number: | 4852311 | BIOAMBER | |
| Serial Number: | 86601057 | BIOAMBER INSPIRED | |
| CORRESPONDENCE DATA | | | |
| Fax Number: | 4152687522 | | |
| <i>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.</i> | | | |
| Phone: | 415-268-6538 | | |
| Email: | achung@mofa.com | | |
| Correspondent Name: | Jennifer Lee Taylor, Morrison & Foerster | | |
| Address Line 1: | 425 Market Street | | |
| Address Line 4: | San Francisco, CALIFORNIA 94105-2482 | | |
| ATTORNEY DOCKET NUMBER: | 020333-000043 | | |

CH \$240.00 4021018

| | |
|---------------------------|---------------------|
| NAME OF SUBMITTER: | Jennifer Lee Taylor |
| SIGNATURE: | /JLT2/ |
| DATE SIGNED: | 08/16/2017 |

Total Attachments: 18

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS SECURITY AGREEMENT (this “IP Security Agreement”), dated as of August 11, 2017, is made by and between Mitsui & Co., Ltd., a corporation organized under the laws of Japan (the “Secured Party”) and BioAmber Inc., a corporation organized under the laws of Delaware (the “Grantor”).

WHEREAS, (i) the Grantor (individually and as successor to BioAmber International S.à.r.l.) and the Secured Party are parties to that certain Financial Support Implementing Agreement, dated as of May 25, 2015 (the “FSIA”), pursuant to which, among other things, the Grantor is obligated to indemnify Secured Party from time to time as and when required under Section 5(b) thereof, and (ii) the Grantor, BioAmber Sarnia Inc., a corporation organized under the laws of Canada, and the Secured Party are parties to that certain Indemnity Agreement, dated as of August 1, 2017 (the “Indemnity Agreement”), pursuant to which, among other things, the Grantor is obligated to indemnify the Secured Party from time to time as and when required under Section 3 thereof;

WHEREAS, in connection with the Secured Party’s transfer of its shares in BioAmber Sarnia Inc. to the Grantor pursuant to a Share Purchase Agreement, dated as of August 1, 2017 (the “Purchase Agreement”), the Grantor agreed to grant Liens on certain of its assets in favor of the Secured Party to secure its respective indemnification obligations under the FSIA and Indemnity Agreement (collectively, the “Secured Obligations”) pursuant to that certain Security Agreement, dated as of August 1, 2017 (the “Security Agreement”).

WHEREAS, under the terms of the Security Agreement, the Grantor has granted to the Secured Party a security interest in, among other property, certain intellectual property of the Grantor, and has agreed to execute and deliver this IP Security Agreement for recording with the United States Patent and Trademark Office.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. Grant of Security. As security for the payment and performance of the Secured Obligations, the Grantor hereby grants to the Secured Party a security interest in all of its right, title and interest in, to and under all of its personal property, wherever located and whether now existing or owned or hereafter acquired or arising, including the following property (collectively, the “IP Collateral”):

(a) the patents and patent applications set forth in Schedule 1 hereto and all reissues, divisions, continuations, continuations-in-part, renewals, extensions, and reexaminations thereof and amendments thereto (the “Patents”);

(b) the trademark registrations and applications set forth in Schedule 2 hereto, together with the goodwill connected with the use thereof and symbolized thereby, and all extensions and renewals thereof (the “Trademarks”);

(c) all rights of any kind whatsoever of such Grantor accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions, and otherwise throughout the world;

(d) any and all royalties, fees, income, payments, and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

(e) any and all claims and causes of action with respect to any of the foregoing, whether occurring before, on, or after the date hereof, including all rights to and claims for damages, restitution, and injunctive and other legal and equitable relief for past, present, and future infringement, dilution, misappropriation, violation, misuse, breach, or default, with the right, but no obligation, to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

Notwithstanding the preceding and any other provision in this Agreement, and only to the extent that the following is applicable to the IP Collateral:

(i) the IP Collateral shall specifically exclude (a) any and all rights related to the Cargill License (being (x) that certain Commercial License Agreement in the field of succinic acid, dated April 15, 2010, as amended, initially entered into between Cargill, Inc., through its Bio Technology Development Center ("Cargill") and BioAmber S.A.S., a French entity, and now being between Cargill and the Grantor as a result of several reorganization transactions, and (y) that certain Commercial License Agreement in the field of adipic acid, dated May 4, 2012, entered into between Cargill and the Grantor), and (b) Grantor's ownership of BioAmber Sarnia Inc. to the extent such ownership is pledged to Comerica Bank pursuant to that certain Loan Agreement between BioAmber Sarnia Inc., Comerica Bank and the other parties thereto dated as of June 20, 2014, as such agreement may be amended, restated, supplemented or otherwise modified from time to time; provided that, the Grantor hereby agrees to deploy all commercially reasonable efforts in order to obtain such consents;

(ii) the IP Collateral shall include the shares owned by the Grantor in Comet Biorefining Inc., subject to the obtaining of the prior consent from Comet Biorefining Inc. and its shareholders as per the terms of the shareholders agreement of Comet Biorefining Inc.; provided that, the Grantor hereby agrees to deploy all commercially reasonable efforts in order to obtain such consent; and

(iii) until such consent is obtained, the grant of security interest herein shall not extend to and the term "IP Collateral" shall not include rights held under any license or agreement that prohibits the granting of a security interest or that is not assignable by its terms without the consent of the licensor or other party thereof (in all cases only to the extent such restriction on assignment is enforceable under applicable law); provided that, the Grantor hereby agrees to deploy all commercially reasonable efforts in order to obtain such consents.

2. Recordation. The Grantor authorizes the Commissioner for Patents and the Commissioner for Trademarks to record and register this IP Security Agreement upon request by the Secured Party.

3. Loan Documents. This IP Security Agreement has been entered into pursuant to and in conjunction with the Security Agreement, which is hereby incorporated by reference. The

provisions of the Security Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of the Secured Party with respect to the IP Collateral are as provided by the Security Agreement, Indemnity Agreements and related documents, and nothing in this IP Security Agreement shall be deemed to limit such rights and remedies.

4. Execution in Counterparts. This IP Security Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page to this IP Security Agreement by facsimile or in electronic (i.e., “pdf” or “tif”) format shall be effective as delivery of a manually executed counterpart of this IP Security Agreement.

5. Successors and Assigns. This IP Security Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

6. Governing Law. This IP Security Agreement and any claim, controversy, dispute, or cause of action (whether in contract or tort or otherwise) based upon, arising out of, or relating to this IP Security Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of New York, without giving effect to any choice or conflict of law provision or rule (whether of the State of New York or any other jurisdiction).

[SIGNATURE PAGES FOLLOW]

IN WITNESS WHEREOF, the Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

Grantor:

BIOAMBER INC.

By: 
Name: Fabrice Orecchioni
Title: President & COO

Address for Notices:

1250 Rene-Levesque West, Suite 4310
Montreal, Quebec, Canada H3B 4W8

AGREED TO AND ACCEPTED:

Secured Party:

MITSUI & CO., LTD.

By: 

Name: S. OJIMA, GENERAL MANAGER

Title: SPECIALTY CHEMICALS DIVISION

Address for Notices:

3-1, Ohtemachi 1-chome, Chiyoda-ku
Tokyo 100-8631, Japan

ny-1293794

TRADEMARK
REEL: 006131 FRAME: 0432

SCHEDULES

ny-1293794

TRADEMARK
REEL: 006131 FRAME: 0433

| # | Owner | ROBIC Ref. | Client Ref. | Territory | Title | Inventors | PCT number | Filing date | Filing number | Publication date | Issue date | Patent number |
|-----|--------------------|-------------|--------------------|-----------|---|--|------------------------|-------------|----------------------|------------------|------------|---------------|
| 9. | BiOAmbe f. Inc. | 012008-0092 | BA-12- 109WC-EP | EUROPE | PATHWAYS TO ADIPATE SEMIALDEHYDE AND OTHER ORGANIC PRODUCTS | LAU MAN, KIT, MERCIOGLIANO CHRISTOPHER, P. | PCT/US2013/ 060 893 | 2013-09-20 | 13 773 490.1 | | | |
| 10. | BiOAmbe f. Inc. | 012008-0093 | BA-10-030TH | THAILAND | PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF MONOAMMONIUM | FRUCHEY OLAN S., KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DUNUWILA DILUM, DOMBEK BERNARD D. | | 2011-03-24 | 1101000423 | 2016-08-09 | | |
| 11. | BiOAmbe f. Inc. | 012008-0094 | BA-12- 005WC-EP | EUROPE | METHODS AND MICROORGANISMS FOR THE BIOLOGICAL SYNTHESIS OF (S)-2-AMINO-6- HYDROXYPIMELATE, HEXAMETHYLENEDIAMINE AND 6- AMINOCAPROATE | LAU MAN, KIT | PCT/US2013/ 055 990 | 2013-08-21 | 13 753 502.7 | | | |
| 12. | BiOAmbe f. Inc. | 012008-0096 | BA-10-030CA | CANADA | PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF MONOAMMONIUM | FRUCHEY OLAN S., KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DUNUWILA DILUM, DOMBEK BERNARD D. | | 2011-03-22 | 2,734,627 | 2011-09-26 | 2013-11-19 | 2,734,627 |
| 13. | BiOAmbe f. Inc. | 012008-0097 | BA-10- 030WC-CN | CHINA | PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF MONOAMMONIUM | FRUCHEY OLAN S., KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DUNUWILA DILUM, DOMBEK BERNARD D. | PCT/US2011/ 028 990 | 2011-03-18 | 201180026084.0 | | 2014-12-17 | 102918017 |
| 14. | BiOAmbe f. Inc. | 012008-0098 | BA-10-030CA | CANADA | PROCESSES FOR PRODUCING SUCCINIC ACID FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE | FRUCHEY OLAN S., KEEN BRIAN T., ALBIN BROOKE, A., CLINTON NYE A., DUNUWILA DILUM, DOMBEK BERNARD D. | | 2011-03-22 | 2,734,617 | 2011-10-01 | 2014-01-21 | 2,734,617 |
| 15. | BiOAmbe f. Inc. | 012008-0099 | BA-10-070CA | CANADA | PROCESSES FOR THE PRODUCTION OF HYDROGENATED PRODUCTS | FRUCHEY OLAN S., MANZER LEO E., DUNUWILA DILUM, KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DOMBEK BERNARD D. | | 2011-03-22 | 2,734,612 | 2011-10-01 | 2014-05-13 | 2,734,612 |
| 16. | BiOAmbe f. Inc. | 012008-0100 | BA-10-071CA | CANADA | PROCESSES FOR THE PRODUCTION OF HYDROGENATED PRODUCTS | FRUCHEY OLAN S., MANZER LEO E., DUNUWILA DILUM, KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DOMBEK BERNARD D. | | 2011-03-22 | 2,734,676 | 2011-10-01 | 2013-12-24 | 2,734,676 |
| 17. | BiOAmbe f. Inc. | 012008-0105 | BA-10- 030WC-IN | INDIA | PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF | FRUCHEY OLAN S., KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DUNUWILA DILUM, DOMBEK BERNARD D. | PCT/US2011/ 028 990 | 2011-03-18 | 8657/D/ELNP/201 2 | 2016-01-22 | | |

Schedule 1-2.

| # | Owner | ROBIC Ref. | Client Ref. | Territory | Title | Inventors | PCT number | Filing date | Filing number | Publication date | Issue date | Patent number |
|-----|--------------------|-------------|--------------------|--------------------------|---|---|------------------------|-------------|----------------|------------------|------------|---------------|
| 18. | BioAmbe f. Inc. | 012008-0106 | BA-10- 033WC-EP | EUROPE | PROCESSES FOR PRODUCING DIAMINOBUTANE (DAB), SUCCINIC DIMITRILE (SDN) AND SUCCINAMIDE (DAM) | FRUCHEY OLAN S., MANZER LEO, E., DUNUWILA DILUM, KEEN BRIAN, T., ALBIN BROOKE, A., CLINTON NYE, A., DOMBEK BERNARD, D. | PCT/US2011/ 036 913 | 2011-03-18 | 11 722 257.0 | | | |
| 19. | BioAmbe f. Inc. | 012008-0107 | BA-10- 104WC-EP | EUROPE | PROCESSES FOR PRODUCING CARPOLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID | FRUCHEY OLAN S., MANZER LEO, E., DUNUWILA DILUM, KEEN BRIAN, T., ALBIN BROOKE, A., CLINTON NYE, A., DOMBEK BERNARD, D. | PCT/US2011/ 039 898 | 2011-06-10 | 11 726 030.7 | | | |
| 20. | BioAmbe f. Inc. | 012008-0112 | BA-12- 120WC-CN | CHINA | ALTERNATIVE PATHWAYS TO ADIPATES AND ADIPIC ACID BY COMBINED FERMENTATION AND | MILLIS JAMES, R., LAU MAN, KIT | PCT/US2013/ 059 170 | 2013-09-11 | 201380044817.2 | 2015-05-06 | | |
| 21. | BioAmbe f. Inc. | 012008-0113 | BA-12- 120WC-US | UNITED STATES OF AMERICA | ALTERNATIVE PATHWAYS TO ADIPATES AND ADIPIC ACID BY COMBINED FERMENTATION AND | MILLIS JAMES, R., LAU MAN, KIT | PCT/US2013/ 059 170 | 2013-09-11 | 14423 467 | 2015-08-13 | | |
| 22. | BioAmbe f. Inc. | 012008-0114 | BA-12- 109WC-US | UNITED STATES OF AMERICA | PATHWAYS TO ADIPATE SEMIALDEHYDE AND OTHER ORGANIC PRODUCTS | LAU MAN KIT, MERCUGLIANO CHRISTOPHER P. | PCT/US2013/ 060 853 | 2013-09-20 | 14418 543 | 2015-10-15 | | |
| 23. | BioAmbe f. Inc. | 012008-0115 | BA-12- 005WC-US | UNITED STATES OF AMERICA | METHODS AND MICROORGANISMS FOR THE BIOLOGICAL SYNTHESIS OF (S)-2-AMINO-6-HYDROXYPIPELATE, HEXAMETHYLENEDIAMINE AND 6-AMINOCAPROATE | LAU MAN, KIT | PCT/US2013/ 055 950 | 2013-08-21 | 14419 310 | 2015-07-23 | | |
| 24. | BioAmbe f. Inc. | 012008-0116 | BA-12- 120WC-BR | BRAZIL | ALTERNATIVE PATHWAYS TO ADIPATES AND ADIPIC ACID BY COMBINED FERMENTATION AND CATALYTIC METHODS | MILLIS JAMES, R., LAU MAN, KIT | PCT/US2013/ 059 170 | 2013-09-11 | 112015005428-5 | 2017-07-04 | | |
| 25. | BioAmbe f. Inc. | 012008-0118 | BA-10- 030WC-JP | JAPAN | PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF | FRUCHEY OLAN S., KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DUNUWILA DILUM, DOMBEK BERNARD D. | PCT/US2011/ 028 990 | 2011-03-18 | 2013-501335 | | 2015-06-05 | 5754785 |
| 26. | BioAmbe f. Inc. | 012008-0123 | BA-10- 030R | UNITED STATES OF AMERICA | PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF | FRUCHEY OLAN S., KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DUNUWILA DILUM, DOMBEK BERNARD D. | | 2011-03-18 | 13/051 302 | 2011-09-29 | 2014-01-07 | 8 624 059 |
| 27. | BioAmbe f. Inc. | 012008-0124 | BA-10- 030CON | UNITED STATES OF AMERICA | PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF | FRUCHEY OLAN S., KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DUNUWILA DILUM, DOMBEK BERNARD D. | | 2011-03-18 | 13/021 578 | 2011-12-08 | 2012-06-19 | 8 203 021 |

Schedule 1-3.

| # | Owner | ROBIC Ref. | Client Ref. | Territory | Title | Inventors | PCT number | Filing date | Filing number | Publication date | Issue date | Patent number |
|-----|-------------------|-------------|--------------------|--------------------------------|--|---|------------------------|-------------|---------------|------------------|------------|---------------|
| 28. | BiOAmbe r Inc. | 012008-0125 | BA-10- 030WC-KR | REPUBLIC OF KOREA | PROCESSES FOR PRODUCING MONOAMMONIUM SUCCINATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE, MONOAMMONIUM SUCCINATE AND/OR SUCCINIC ACID, AND CONVERSION OF | FRUCHEY OLAN S., KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DUNUWILA DILUM, DOMBEK BERNARD D. | PCT/US2011/ 028 990 | 2011-03-18 | 2012-7027250 | | 2014-08-11 | 1431363 |
| 29. | BiOAmbe r Inc. | 012008-0126 | BA-10- 060CON | UNITED STATES OF AMERICA | PROCESSES FOR PRODUCING SUCCINIC ACID FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM SUCCINATE | FRUCHEY OLAN S., KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DUNUWILA DILUM, DOMBEK BERNARD D. | | 2011-08-19 | 13/273,147 | 2011-12-08 | 2012-08-21 | 8,246,792 |
| 30. | BiOAmbe r Inc. | 012008-0129 | BA-10- 033W- US | UNITED STATES OF AMERICA | PROCESSES FOR PRODUCING DIAMNOBUTANE (DAB), SUCCINIC DINITRILE (SDN) AND SUCCINAMIDE (DAM) | FRUCHEY OLAN S., MANZER LEO, E., DUNUWILA DILUM, KEEN BRIAN, T., ALBIN BROOKE, A., CLINTON NYE, A., DOMBEK BERNARD, D. | PCT/US2011/ 036 913 | 2011-05-18 | 13/687,633 | 2013-07-04 | 2015-01-20 | 8,937,147 |
| 31. | BiOAmbe r Inc. | 012008-0130 | BA-10- 100CA | CANADA | PROCESSES FOR PRODUCING MONOAMMONIUM ADIPATE FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID AND CONVERSION OF MONOAMMONIUM ADIPATE | FRUCHEY OLAN S., MANZER LEO, E., DUNUWILA DILUM, KEEN BRIAN, T., ALBIN BROOKE, A., CLINTON NYE, A., DOMBEK BERNARD, D. | | 2011-04-21 | 2,738,166 | 2011-10-30 | 2013-12-24 | 2,738,166 |
| 32. | BiOAmbe r Inc. | 012008-0131 | BA-10- 100R | UNITED STATES OF AMERICA | PROCESSES FOR PRODUCING MONOAMMONIUM ADIPATE AND CONVERSION OF MONOAMMONIUM ADIPATE TO ADIPIC ACID | FRUCHEY OLAN S., MANZER LEO, E., DUNUWILA DILUM, KEEN BRIAN, T., ALBIN BROOKE, A., CLINTON NYE, A., DOMBEK BERNARD, D. | PCT/US2011/ 039 898 | 2011-04-14 | 13/086,801 | 2011-11-03 | 2014-11-25 | 8,695,799 |
| 33. | BiOAmbe r Inc. | 012008-0132 | BA-10- 104WC-US | UNITED STATES OF AMERICA | PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE, MONOAMMONIUM ADIPATE AND/OR ADIPIC ACID | FRUCHEY OLAN S., MANZER LEO, E., DUNUWILA DUKYN, KEEN BRIAN, T., ALBIN BROOKE, A., CLINTON NYE, A., DOMBEK BERNARD, D. | PCT/US2011/ 039 895 | 2011-06-10 | 13/701,622 | 2013-05-09 | 2015-08-25 | 8,703,900 |
| 34. | BiOAmbe r Inc. | 012008-0133 | BA-10- 106WC-US | UNITED STATES OF AMERICA | PROCESSES FOR PRODUCING CAPROLACTAM AND DERIVATIVES THEREOF FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE OR MONOAMMONIUM ADIPATE | FRUCHEY OLAN S., MANZER LEO, E., DUNUWILA DUKYN, KEEN BRIAN, T., ALBIN BROOKE, A., CLINTON NYE, A., DOMBEK BERNARD, D. | | 2011-06-10 | 13/701,622 | 2013-05-23 | 2015-08-25 | 9,115,080 |
| 35. | BiOAmbe r Inc. | 012008-0134 | BA-10- 102CA | CANADA | PROCESSES FOR PRODUCING ADIPIC ACID FROM FERMENTATION BROTHS CONTAINING DIAMMONIUM ADIPATE | FRUCHEY OLAN S., MANZER LEO, E., DUNUWILA DILUM, KEEN BRIAN, T., ALBIN BROOKE, A., CLINTON NYE, A., DOMBEK BERNARD, D. | | 2011-04-21 | 2,738,164 | 2011-10-30 | 2014-03-25 | 2,738,164 |
| 36. | BiOAmbe r Inc. | 012008-0135 | BA-10- 070R | UNITED STATES OF AMERICA | PROCESSES FOR THE PRODUCTION OF HYDROGENATED PRODUCTS | FRUCHEY OLAN S., MANZER LEO, E., DUNUWILA DILUM, KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DOMBEK BERNARD D. | | 2011-03-18 | 13/051,688 | 2011-10-06 | 2013-04-02 | 8,410,291 |

Schedule 1-4.

| # | Owner | ROBIC Ref. | Client Ref. | Territory | Title | Inventors | PCT number | Filing date | Filing number | Publication date | Issue date | Patent number |
|-----|--------------------|-------------|---------------------------|--------------------------------|--|---|------------------------|-------------|---------------|------------------|------------|---------------|
| 37. | BioAmbe f. Inc. | 012008-0136 | BA-10- 070CON | UNITED STATES OF AMERICA | PROCESSES FOR THE PRODUCTION OF HYDROGENATED PRODUCTS | FRUCHEY OLAN S., MANZER LEO E., DUNUWILA DILUM, KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DOMBEK BERNARD D. | | 2011-03-18 | 13/213,565 | 2011-12-08 | 2012-06-05 | 8,193,575 |
| 38. | BioAmbe f. Inc. | 012008-0137 | BA-10-070CIP | UNITED STATES OF AMERICA | PROCESSES FOR THE PRODUCTION OF HYDROGENATED PRODUCTS | FRUCHEY OLAN S., MANZER LEO E., DUNUWILA DILUM, KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DOMBEK BERNARD D. | | 2011-03-18 | 13/334,629 | 2012-04-19 | 2013-03-19 | 8,399,687 |
| 39. | BioAmbe f. Inc. | 012008-0138 | BA-10-071R | UNITED STATES OF AMERICA | PROCESSES FOR THE PRODUCTION OF HYDROGENATED PRODUCTS | FRUCHEY OLAN S., MANZER LEO E., DUNUWILA DILUM, KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DOMBEK BERNARD D. | | 2011-03-18 | 13/051,579 | 2011-10-06 | 2013-06-18 | 8,466,300 |
| 40. | BioAmbe f. Inc. | 012008-0139 | BA-10- 071CON | UNITED STATES OF AMERICA | PROCESSES FOR THE PRODUCTION OF HYDROGENATED PRODUCTS | FRUCHEY OLAN S., MANZER LEO E., DUNUWILA DILUM, KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DOMBEK BERNARD D. | | 2011-03-18 | 13/213,677 | | 2011-12-27 | 8,084,626 |
| 41. | BioAmbe f. Inc. | 012008-0140 | BA-10- 071WO-CA | CANADA | DEICING AND HEAT TRANSFER FLUID COMPOSITIONS | DUNUWILA DILUM, BERNIER ROGER, LAURENT | PCT/CA2009/ 000 809 | 2009-06-08 | 2,720,035 | 2009-12-10 | 2012-12-18 | 2,720,035 |
| 42. | BioAmbe f. Inc. | 012008-0141 | BA-10- 071WO-US | UNITED STATES OF AMERICA | DEICING AND HEAT TRANSFER FLUID COMPOSITIONS | DUNUWILA DILUM, BERNIER ROGER, LAURENT | | 2009-06-08 | 12/889,556 | 2011-03-31 | 2011-05-10 | 7,938,981 |
| 43. | BioAmbe f. Inc. | 012008-0143 | BA-10-012R | UNITED STATES OF AMERICA | METHOD OF REMOVING COLOR DURING PRODUCTION OF RUNWAY | FRUCHEY OLAN S. | | 2010-09-24 | 12/889,599 | 2011-04-21 | 2014-04-01 | 8,585,253 |
| 44. | BioAmbe f. Inc. | 012008-0144 | BA-10- 071WO-CA | CANADA | PROCESSES FOR REMOVING COLOR DURING PRODUCTION OF RUNWAY | FRUCHEY OLAN S. | PCT/US2010/ 050 176 | 2010-09-24 | 2,774,564 | 2011-04-07 | 2014-12-16 | 2,774,564 |
| 45. | BioAmbe f. Inc. | 012008-0145 | BA-10- 103WO-US | UNITED STATES OF AMERICA | PROCESSES FOR PRODUCING HEXAMETHYLENEDIAMINE (HMD), ADIPONITRILE (ADN), ADIPAMIDE (ADM) AND DERIVATIVES THEREOF | FRUCHEY OLAN S., MANZER LEO E., DUNUWILA DILUM, KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE A., DOMBEK BERNARD D. | PCT/US2011/ 039 903 | 2011-06-10 | 13/701,570 | 2013-12-05 | 2014-06-03 | 8,742,060 |
| 46. | BioAmbe f. Inc. | 012008-0146 | BA-11-07ZR | UNITED STATES OF AMERICA | PREPARATION OF CATALYST FOR SELECTIVE HYDROGENATION OF HYDROGENATABLE PRECURSORS | TAMIELYAN SETRAK K., AUGUSTINE ROBERT L., MANZER LEO E., WHITE JAMES F., BHAGAT RAMESH D., MIRYALA BALARAJU | | 2013-01-08 | 13/736,229 | 2013-07-18 | 2015-04-28 | 9,018,127 |
| 47. | BioAmbe f. Inc. | 012008-0147 | BA-10- 033WO-EP- GB | UNITED KINGDOM | PROCESSES FOR THE PRODUCTIONS OF PYRROUIDONES | FRUCHEY OLAN S., MANZER LEO E., DUNUWILA DILUM, KEEN BRIAN T., ALBIN BROOKE A., CLINTON NYE, A., DOMBEK BERNARD D. | PCT/US2011/ 036 919 | 2011-05-18 | 11,721,956.8 | | 2014-10-29 | 2,571,849 |

Schedule 1-5.

| # | Owner | ROBIC Ref. | Client Ref. | Territory | Title | Inventors | PCT number | Filing date | Filing number | Publication date | Issue date | Patent number |
|-----|--------------------------------|-------------|----------------------|--------------------------------|---|--|-------------------------|-------------|----------------|------------------|------------|---------------|
| 48. | BiOAmbe r Inc. | 012008-0149 | BA-10- 017WO-DE | GERMANY | DEICING AND HEAT TRANSFER FLUID COMPOSITIONS AND METHODS OF USE | DUNUWILA DILLUM, BERNIER ROGER, LAURENT | PCT/CA2009/ 000 809 | 2009-06-08 | 09 757 024.6 | 2011-02-09 | 2015-09-23 | 602090338153 |
| 49. | BiOAmbe r Inc. | 012008-0150 | BA-10- 017WO-FR | FRANCE | DEICING AND HEAT TRANSFER FLUID COMPOSITIONS AND METHODS OF USE | DUNUWILA DILLUM, BERNIER ROGER, LAURENT | PCT/CA2009/ 000 809 | 2009-06-08 | 09 757 024.6 | 2011-02-09 | 2015-09-23 | 2 281 024 |
| 50. | BiOAmbe r Inc. | 012008-0151 | BA-12-170CN | CHINA | ALL BIODEGRADABLE BRANCHED STARCH MASTER GRANULARS | DENG GUOQUAN | | 2006-03-23 | 200610025008.9 | | 2008-12-10 | 100441620 |
| 51. | BiOAmbe r Inc. | 012008-0152 | BA-12-171CN | CHINA | PREPARATION OF BIOLOGICAL DEGRADATION RESIN COMPOSITE AND MODIFIED SPECIAL RESIN AND PRODUCT FORMING PROCESS | DENG GUOQUAN | | 2006-04-25 | 200610028044.7 | 2006-05-08 | 2009-09-09 | 100537861 |
| 52. | BiOAmbe r Inc. | 012008-0237 | BA-10- 017WO-SE | SWEDEN | DEICING AND HEAT TRANSFER FLUID COMPOSITIONS AND METHODS OF USE | DUNUWILA DILLUM, BERNIER ROGER, LAURENT | PCT/CA2009/ 000 809 | 2009-06-08 | 09 757 024.6 | 2011-02-09 | 2015-09-23 | 2 281 024 |
| 53. | BiOAmbe r Inc. | 012008-0238 | BA-10-012EP- DE | GERMANY | METHOD OF REMOVING COLOR BODIES FORM A FERMENTATION BROTH | FRUCHEY OLAN S. | | 2010-09-28 | 10 181 145.3 | | 2015-04-22 | 2 305 766 |
| 54. | BiOAmbe r Inc. | 012008-0250 | BA-10- 017WO-DK | DENMARK | DEICING AND HEAT TRANSFER FLUID COMPOSITIONS AND METHODS OF USE | DUNUWILA DILLUM, BERNIER ROGER, LAURENT | PCT/CA2009/ 000 809 | 2009-06-08 | 09 757 024.6 | 2011-02-09 | 2015-09-23 | 2 281 024 |
| 55. | BiOAmbe r Inc. & Lanxess | 012008-0259 | L-XS-12- 189WO-CA | CANADA | SUCCINIC ACID ALKYL ESTER MIXTURES USED AS PLASTICIZERS | FAKLAM THOMAS | PCT/EP2013/0/ 53 379 | 2013-02-20 | 2 864 623 | 2013-08-29 | | |
| 56. | BiOAmbe r Inc. & Lanxess | 012008-0260 | L-XS-12- 189WO-US | UNITED STATES OF AMERICA | SUCCINIC ACID ALKYL ESTER MIXTURES USED AS PLASTICIZERS | FAKLAM THOMAS | PCT/EP2013/0/ 53 379 | 2013-02-20 | 14380 405 | 2015-01-15 | | |
| 57. | BiOAmbe r Inc. & Lanxess | 012008-0261 | L-XS-12- 189WO-BR | BRAZIL | SUCCINIC ACID ALKYL ESTER MIXTURES USED AS PLASTICIZERS | FAKLAM THOMAS | PCT/EP2013/0/ 53 379 | 2013-02-20 | 1120140209588 | | | |
| 58. | BiOAmbe r Inc. & Lanxess | 012008-0262 | L-XS-12- 189WO-EP | EUROPE | SUCCINIC ACID ALKYL ESTER MIXTURES USED AS PLASTICIZERS | FAKLAM THOMAS | PCT/EP2013/0/ 53 379 | 2013-02-20 | 13 705 178.5 | | | |
| 59. | BiOAmbe r Inc. & Lanxess | 012008-0263 | L-XS-12- 189WO-CA | CANADA | MIXED ALKYL BENZYL ESTERS OF SUCCINIC ACID USED AS PLASTICIZERS | FAKLAM THOMAS | PCT/EP2013/0/ 53 382 | 2013-02-20 | 2 863 976 | 2013-08-29 | | |
| 60. | BiOAmbe r Inc. & Lanxess | 012008-0264 | L-XS-12- 189WO-US | UNITED STATES OF AMERICA | MIXED ALKYL BENZYL ESTERS OF SUCCINIC ACID USED AS PLASTICIZERS | FAKLAM THOMAS | PCT/EP2013/0/ 53 382 | 2013-02-20 | 14380 415 | 2015-04-30 | 2015-07-14 | 9 080 032 |
| 61. | BiOAmbe r Inc. & Lanxess | 012008-0265 | L-XS-12- 189WO-BR | BRAZIL | MIXED ALKYL BENZYL ESTERS OF SUCCINIC ACID USED AS PLASTICIZERS | FAKLAM THOMAS | PCT/EP2013/0/ 53 382 | 2013-02-20 | 1120140209707 | | | |
| 62. | BiOAmbe r Inc. & Lanxess | 012008-0266 | L-XS-12- 189WO-EP | EUROPE | MIXED ALKYL BENZYL ESTERS OF SUCCINIC ACID USED AS PLASTICIZERS | FAKLAM THOMAS | PCT/EP2013/0/ 53 382 | 2013-02-20 | 13 705 179.3 | 2017-04-12 | 2017-04-12 | 2 817 366 |
| 63. | BiOAmbe r Inc. & Lanxess | 012008-0267 | L-XS-12- 189WO-CN | CHINA | SUCCINIC ACID ALKYL ESTER MIXTURES USED AS PLASTICIZERS | FAKLAM THOMAS | PCT/EP2013/0/ 53 379 | 2013-02-20 | 201380010694.0 | | | |
| 64. | BiOAmbe r Inc. & Lanxess | 012008-0268 | L-XS-12- 189WO-JP | JAPAN | SUCCINIC ACID ALKYL ESTER MIXTURES USED AS PLASTICIZERS | FAKLAM THOMAS | PCT/EP2013/0/ 53 379 | 2013-02-20 | 20140557082 | | 2016-07-22 | 5973582 |

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| # | Owner | ROBIC Ref. | Client Ref. | Territory | Title | Inventors | PCT number | Filing date | Filing number | Publication date | Issue date | Patent number |
|-----|--------------------|-------------|--------------------|--------------------------------|---|---|------------------------|-------------|-----------------------|------------------|------------|---------------|
| 65. | BioAmbe f. Inc. | 012008-0292 | BA-15-181WO | INTERNATI ONAL PCT | BIODEBASED PRODUCTION OF FUNCTIONALIZED ALPHA- SUBSTITUTED ACRYLATES AND C4 DICARBOXYLATES | LAU MAN KIT, HASS CATHY STALOCH, AHMED HAYAT NURU, BAKER RALPH THOMAS, MILLS JAMES R, THAPA INDIRA | | 2016-06-03 | PCT/US2016/035 765 | 2016-12-08 | | |
| 66. | BioAmbe f. Inc. | 012008-0295 | BA-16-192P1 | UNITED STATES OF AMERICA | METHYLENEMALONIC ACID AND INTERMEDIATES, PROCESSES FOR THEIR PREPARATION AND ENGINEERED MICROORGANISMS | LAU MAN KIT, HASS CATHY STALOCH, MILLS JAMES R. | | 2016-07-28 | 62367.833 | | | |
| 67. | BioAmbe f. Inc. | 012008-0299 | BA-15-191WO | INTERNATI ONAL PCT | CURABLE COATING COMPOSITIONS USING SUCCINIC ACID | COGGIO WILLIAM D., HYSEL JAN, VARECKOVA DANIELA | | 2016-09-14 | PCT/US2016/051 611 | 2017-03-23 | | |
| 68. | BioAmbe f. Inc. | 012008-0300 | BA-14- 184WO-CA | CANADA | ORGANIC ACIDS FROM HOMOCTIRATE AND HOMOCTIRATE DERIVATIVES | BAKER RALPH THOMAS, WHITE JAMES F., MANZER LEO E., NTAIS SPYRIDON, BARANOVA OLENA, THAPA INDIRA, LAU MAN KIT, HASS CATHY STALOCH | PCT/US2015/ 035 178 | 2015-06-10 | 2,949,869 | 2015-12-17 | | |
| 69. | BioAmbe f. Inc. | 012008-0301 | BA-14- 184WO-US | UNITED STATES OF AMERICA | ORGANIC ACIDS FROM HOMOCTIRATE AND HOMOCTIRATE DERIVATIVES | BAKER RALPH THOMAS, WHITE JAMES F., MANZER LEO E., NTAIS SPYRIDON, BARANOVA OLENA, THAPA INDIRA, LAU MAN KIT, HASS CATHY STALOCH | PCT/US2015/ 035 178 | 2015-06-10 | 15/317,267 | 2017-04-27 | | |
| 70. | BioAmbe f. Inc. | 012008-0302 | BA-14- 184WO-EP | EUROPE | ORGANIC ACIDS FROM HOMOCTIRATE AND HOMOCTIRATE DERIVATIVES | BAKER RALPH THOMAS, WHITE JAMES F., MANZER LEO E., NTAIS SPYRIDON, BARANOVA OLENA, THAPA INDIRA, LAU MAN KIT, HASS CATHY STALOCH | PCT/US2015/ 035 178 | 2015-06-10 | 15 805 758.8 | 2017-04-19 | | |
| 71. | BioAmbe f. Inc. | 012008-0303 | BA-14- 184WO-CN | CHINA | ORGANIC ACIDS FROM HOMOCTIRATE AND HOMOCTIRATE DERIVATIVES | BAKER RALPH THOMAS, WHITE JAMES F., MANZER LEO E., NTAIS SPYRIDON, BARANOVA OLENA, THAPA INDIRA, LAU MAN KIT, HASS CATHY STALOCH | PCT/US2015/ 035 178 | 2015-06-10 | 201580042628.0 | | | |
| 72. | BioAmbe f. Inc. | 012008-0304 | BA-14- 184WO-JP | JAPAN | ORGANIC ACIDS FROM HOMOCTIRATE AND HOMOCTIRATE DERIVATIVES | BAKER RALPH THOMAS, WHITE JAMES F., MANZER LEO E., NTAIS SPYRIDON, BARANOVA OLENA, THAPA INDIRA, LAU MAN KIT, HASS CATHY STALOCH | PCT/US2015/ 035 178 | 2015-06-10 | 2017-517207 | | | |
| 73. | BioAmbe f. Inc. | 012008-0313 | BA-17-121 | UNITED STATES OF AMERICA | TOOLS AND METHODS FOR GENOME EDITING ISSATOHENKIA ORIENTALLY USEFUL YEAST | RYAN OWEN | | 2017-05-12 | 62505,451 | | | |

Schedule 1-7.

| # | Owner | ROBIC Ref. | Client Ref. | Territory | Title | Inventors | PCT number | Filing date | Filing number | Publication date | Issue date | Patent number |
|-----|-------------------|-------------|----------------------|--------------------------------|---|---|------------------------|-------------|---------------|------------------|------------|---------------|
| 74. | BiAmbe f. Inc. | 012008-0315 | L-XS-12- 189WO-EP | AUSTRIA | MIXED ALKYL BENZYL ESTERS OF SUCCINIC ACID USED AS PLASTICIZERS | FACKLAM THOMAS | PCT/EP2013/0 53 382 | 2013-02-20 | 13 705 179.3 | 2017-04-12 | 2017-04-12 | 2 817 366 |
| 75. | BiAmbe f. Inc. | 012008-0316 | L-XS-12- 189WO-EP | BELGIUM | MIXED ALKYL BENZYL ESTERS OF SUCCINIC ACID USED AS PLASTICIZERS | FACKLAM THOMAS | PCT/EP2013/0 53 382 | 2013-02-20 | 13 705 179.3 | 2017-04-12 | 2017-04-12 | 2 817 366 |
| 76. | BiAmbe f. Inc. | 012008-0317 | L-XS-12- 189WO-EP | GERMANY | MIXED ALKYL BENZYL ESTERS OF SUCCINIC ACID USED AS PLASTICIZERS | FACKLAM THOMAS | PCT/EP2013/0 53 382 | 2013-02-20 | 13 705 179.3 | 2017-04-12 | 2017-04-12 | 2 817 366 |
| 77. | BiAmbe f. Inc. | 012008-0318 | L-XS-12- 189WO-EP | FRANCE | MIXED ALKYL BENZYL ESTERS OF SUCCINIC ACID USED AS PLASTICIZERS | FACKLAM THOMAS | PCT/EP2013/0 53 382 | 2013-02-20 | 13 705 179.3 | 2017-04-12 | 2017-04-12 | 2 817 366 |
| 78. | BiAmbe f. Inc. | 012008-0319 | L-XS-12- 189WO-EP | UNITED KINGDOM | MIXED ALKYL BENZYL ESTERS OF SUCCINIC ACID USED AS PLASTICIZERS | FACKLAM THOMAS | PCT/EP2013/0 53 382 | 2013-02-20 | 13 705 179.3 | 2017-04-12 | 2017-04-12 | 2 817 366 |
| 79. | BiAmbe f. Inc. | 012008-0320 | L-XS-12- 189WO-EP | ITALY | MIXED ALKYL BENZYL ESTERS OF SUCCINIC ACID USED AS PLASTICIZERS | FACKLAM THOMAS | PCT/EP2013/0 53 382 | 2013-02-20 | 13 705 179.3 | 2017-04-12 | 2017-04-12 | 2 817 366 |
| 80. | BiAmbe f. Inc. | 012008-0321 | BA-17-122 | UNITED STATES OF AMERICA | TOOLS AND METHODS FOR GENOME EDITING ISSATCHENKIA ORIENTALS AND OTHER INDUSTRIALLY USEFUL YEAST | RYAN OWEN | | 2017-05-12 | 62505 482 | | | |
| 81. | BiAmbe f. Inc. | 012008-0322 | BA-16-192WO | INTERNATI ONAL PCT | METHYLENEMALONIC ACID AND INTERMEDIATES, PROCESSES FOR THEIR PREPARATION AND ENGINEERED MICROORGANISMS | LAU MAN KIT, HASS CATHY STALLOCH, MILLIS JAMES R. | | | | | | |

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SCHEDULE 2

TRADEMARKS

| # | Owner | ROBIC Ref | Client Ref | File type | Territory | Title | Filing date | Filing number | Registration date | Registration number | Classes |
|-----|---------------|-------------|-----------------|-----------|--|---------------------------------------|-------------|----------------------|-------------------|---------------------|---------|
| 1. | BioAmber Inc. | 012008-0153 | BA-07-TM-0002CA | MARK | CANADA | BIOAMBER | 2007-11-07 | 1371014 | 2008-10-27 | 727021 | |
| 2. | BioAmber Inc. | 012008-0154 | BA-09-TM-0007US | MARK | UNITED STATES OF AMERICA | BIOAMBER | 2008-09-04 | 77-820,545 | 2011-09-06 | 4,021,018 | 1-42-45 |
| 3. | BioAmber Inc. | 012008-0155 | BA-09-TM-0008EU | MARK | EUIPO (European Union) | BIOAMBER | 2009-08-26 | 008510067 | 2010-02-22 | 008510067 | 1-42-45 |
| 4. | BioAmber Inc. | 012008-0156 | BA-09-TM-0009FR | MARK | FRANCE | BIOAMBER | 2009-08-26 | 093672376 | 2009-08-26 | 093672376 | 1-42-45 |
| 5. | BioAmber Inc. | 012008-0157 | Germany | MARK | GERMANY | BIOAMBER | 2009-09-01 | 30 2009 052 806.3/42 | 2011-04-12 | 30 2009 052 806 | 1-42-45 |
| 6. | BioAmber Inc. | 012008-0158 | BA-09-TM-0011BX | MARK | BENELUX | BioAmber (& DESIGN) | 2009-08-27 | 1187426 | 2009-12-10 | 868614 | 1-42-45 |
| 7. | BioAmber Inc. | 012008-0159 | Canada | MARK | CANADA | GENERAL | | | | | |
| 8. | BioAmber Inc. | 012008-0160 | BA-15-TM-1092CA | MARK | CANADA | BIOAMBER INSPIRED | 2015-10-19 | 1750971 | | | 1 |
| 9. | BioAmber Inc. | 012008-0161 | BA-15-TM-104CA | MARK | CANADA | BIOAMBER INSPIRED (& INFINITY DESIGN) | 2015-10-02 | 1748808 | | | 1 |
| 10. | BioAmber Inc. | 012008-0162 | BA-14-TM-101CA | MARK | CANADA | INFINITY DESIGN | 2015-02-11 | 1714871 | 2016-09-08 | 948700 | |
| 11. | BioAmber Inc. | 012008-0163 | BA-14-TM-100CA | MARK | CANADA | BIOAMBER (& INFINITY DESIGN) | 2015-02-11 | 1714858 | 2016-09-08 | 948707 | |
| 12. | BioAmber Inc. | 012008-0164 | BA-11-TM-1162CA | MARK | CANADA | CHEMISTRY INSPIRED BY NATURE | 2011-07-28 | 1537619 | 2013-08-27 | 858641 | |
| 13. | BioAmber Inc. | 012008-0165 | BA-11-TM-1160CA | MARK | CANADA | BIOAMBER | 2011-07-28 | 1537611 | 2013-08-27 | 858648 | |
| 14. | BioAmber Inc. | 012008-0166 | BA-14-TM-100BR | MARK | BRAZIL | BIOAMBER (& INFINITY DESIGN) | 2015-02-20 | 909013195 | | | 1 |
| 15. | BioAmber Inc. | 012008-0167 | BA-14-TM-100TW | MARK | TAIWAN | BIOAMBER (& INFINITY DESIGN) | 2015-02-13 | 104009317 | 2015-12-16 | 1743031 | 1 |
| 16. | BioAmber Inc. | 012008-0168 | BA-14-TM-101TW | MARK | TAIWAN | INFINITY DESIGN | 2015-02-13 | 104009318 | 2015-12-16 | 1743032 | 1 |
| 17. | BioAmber Inc. | 012008-0169 | BA-14-TM-101BR | MARK | BRAZIL | INFINITY DESIGN | 2015-02-20 | 909013420 | | | 1 |
| 18. | BioAmber Inc. | 012008-0170 | BA-14-TM-101TH | MARK | THAILAND | INFINITY DESIGN | 2015-02-16 | 974078 | 2016-10-28 | 161108582 | 1 |
| 19. | BioAmber Inc. | 012008-0171 | BA-15-TM-104TH | MARK | THAILAND | BIOAMBER INSPIRED (& INFINITY DESIGN) | 2015-10-16 | 1009514 | | | 1 |
| 20. | BioAmber Inc. | 012008-0172 | BA-15-TM-104TW | MARK | TAIWAN | BIOAMBER INSPIRED (& INFINITY DESIGN) | 2015-10-05 | 104058824 | 2016-08-16 | 01784582 | 1 |
| 21. | BioAmber Inc. | 012008-0173 | BA-15-TM-104WD | MARK | WORLD INTELLECTUAL PROPERTY ORGANIZATION | BIOAMBER INSPIRED (& INFINITY DESIGN) | 2015-10-14 | A0053891 | 2015-10-14 | 1279884 | 1 |
| 22. | BioAmber Inc. | 012008-0174 | BA-15-TM-105BR | MARK | BRAZIL | BIOAMBER INSPIRED | 2015-10-16 | 910137072 | | | 1 |

| # | Owner | ROIC Ref | Client Ref | File type | Territory | Title | Filing date | Filing number | Registration date | Registration number | Classes |
|-----|---------------|-------------|------------------|-----------|--------------------------|--|-------------|---------------|-------------------|---------------------|-------------|
| 23. | BioAmber Inc. | 012008-0175 | BA-15-1M-1091H | MARK | THAILAND | BIOAMBER INSPIRED | 2015-10-06 | 1009515 | | | 1 |
| 24. | BioAmber Inc. | 012008-0176 | BA-15-1M-1091TW | MARK | TAIWAN | BIOAMBER INSPIRED | 2015-10-13 | 104060511 | 2016-10-01 | 01794105 | 1 |
| 25. | BioAmber Inc. | 012008-0177 | BA-15-1M-1095US | MARK | UNITED STATES OF AMERICA | BIOAMBER INSPIRED | 2015-04-17 | 86-601,080 | | | 1 |
| 26. | BioAmber Inc. | 012008-0178 | BA-11-TM/60EU | MARK | EUIPO (European Union) | BIOAMBER | 2011-07-05 | 010097228 | 2011-12-08 | 010097228 | 1-45 |
| 27. | BioAmber Inc. | 012008-0179 | BA-11-TM-1180US | MARK | UNITED STATES OF AMERICA | BIOAMBER | 2011-06-29 | 85-359,044 | 2012-03-27 | 4,117,807 | 1-45 |
| 28. | BioAmber Inc. | 012008-0180 | BA-11-TM-1181AU | MARK | AUSTRALIA | BIOAMBER CHEMISTRY INSPIRED BY NATURE (DESIGN) | 2011-07-05 | 1435086 | 2012-01-30 | 1435086 | 1-45 |
| 29. | BioAmber Inc. | 012008-0181 | BA-11-TM-1181CN1 | MARK | CHINA | BIOAMBER CHEMISTRY INSPIRED BY NATURE (DESIGN) | 2011-08-24 | 9884374 | 2012-10-28 | 9884374 | 1-2-3-4-5-6 |
| 30. | BioAmber Inc. | 012008-0182 | BA-11-TM-1181CN2 | MARK | CHINA | BIOAMBER CHEMISTRY INSPIRED BY NATURE (DESIGN) | 2011-08-24 | 9884373 | 2012-10-28 | 9884273 | |
| 31. | BioAmber Inc. | 012008-0183 | BA-11-TM-1181EU | MARK | EUIPO (European Union) | BIOAMBER CHEMISTRY INSPIRED BY NATURE (DESIGN) | 2011-07-05 | 010097781 | 2011-12-08 | 010097781 | 1-45 |
| 32. | BioAmber Inc. | 012008-0184 | BA-11-TM-1181HK | MARK | HONG KONG | BIOAMBER CHEMISTRY INSPIRED BY NATURE (DESIGN) | 2011-07-05 | 301964359 | 2011-07-05 | 301964359 | 1-45 |
| 33. | BioAmber Inc. | 012008-0185 | BA-11-TM-1181JP | MARK | JAPAN | BIOAMBER CHEMISTRY INSPIRED BY NATURE (DESIGN) | 2011-07-12 | 201148956 | 2012-02-17 | 5472087 | 1-45 |
| 34. | BioAmber Inc. | 012008-0186 | BA-11-TM-1181KR | MARK | REPUBLIC OF KOREA | BIOAMBER CHEMISTRY INSPIRED BY NATURE (DESIGN) | 2011-07-26 | 4520100032 | 2012-09-14 | 45004537 | 1-45 |
| 35. | BioAmber Inc. | 012008-0187 | BA-11-TM-1181MX1 | MARK | MEXICO | BIOAMBER CHEMISTRY INSPIRED BY NATURE (DESIGN) | 2011-07-19 | 1196130 | 2011-10-15 | 1252257 | 1 |
| 36. | BioAmber Inc. | 012008-0188 | BA-11-TM-1181MX2 | MARK | MEXICO | BIOAMBER CHEMISTRY INSPIRED BY NATURE (DESIGN) | 2011-07-19 | 1196126 | 2012-01-18 | 1261115 | 45 |
| 37. | BioAmber Inc. | 012008-0189 | BA-11-TM-1181RU | MARK | RUSSIAN FEDERATION | BIOAMBER CHEMISTRY INSPIRED BY NATURE (DESIGN) | 2011-07-12 | 2011722180 | 2012-08-24 | 469353 | 1-45 |
| 38. | BioAmber Inc. | 012008-0190 | BA-11-TM-1181TH1 | MARK | THAILAND | BIOAMBER CHEMISTRY INSPIRED BY NATURE (DESIGN) | 2011-07-07 | TM612049 | 2011-07-07 | 360607 | 1 |
| 39. | BioAmber Inc. | 012008-0191 | BA-11-TM-1181TH2 | MARK | THAILAND | BIOAMBER CHEMISTRY INSPIRED BY NATURE (DESIGN) | 2011-07-07 | 812050 | 2011-07-07 | SM63883 | 45 |
| 40. | BioAmber Inc. | 012008-0192 | BA-11-TM-1181TW | MARK | TAIWAN | BIOAMBER CHEMISTRY INSPIRED BY NATURE (DESIGN) | 2011-07-05 | 100033726 | 2013-02-01 | 1562228 | 1 |
| 41. | BioAmber Inc. | 012008-0194 | BA-11-TM-1181AU | MARK | AUSTRALIA | CHEMISTRY INSPIRED BY NATURE (& DESIGN) | 2011-07-05 | 1435088 | 2012-01-30 | 1435088 | 1-45 |
| 42. | BioAmber Inc. | 012008-0195 | BA-11-TM-1182EU | MARK | EUIPO (European Union) | CHEMISTRY INSPIRED BY NATURE | 2011-07-05 | 010097517 | 2011-12-08 | 010097517 | 1-45 |
| 43. | BioAmber Inc. | 012008-0196 | BA-11-TM-1182HK | MARK | HONG KONG | CHEMISTRY INSPIRED BY NATURE | 2011-07-05 | 301964368 | 2011-07-05 | 301964368 | 1-45 |
| 44. | BioAmber Inc. | 012008-0197 | BA-11-TM-1182JP | MARK | JAPAN | CHEMISTRY INSPIRED BY NATURE | 2011-07-12 | 201148857 | 2012-02-17 | 5472088 | 1-45 |
| 45. | BioAmber Inc. | 012008-0198 | BA-11-TM-1182KR | MARK | REPUBLIC OF KOREA | CHEMISTRY INSPIRED BY NATURE | 2011-07-26 | 4520100032 | 2012-08-14 | 450041082 | 1-45 |

Schedule 2-2.

| # | Owner | ROIC Ref | Client Ref | File type | Territory | Title | Filing date | Filing number | Registration date | Registration number | Classes |
|-----|---------------|-------------|------------------|-----------|--|------------------------------|-------------|---------------|-------------------|---------------------|---------|
| 46. | BioAmber Inc. | 012008-0199 | BA-11-TM-1162MK1 | MARK | MEXICO | CHEMISTRY INSPIRED BY NATURE | 2011-07-19 | 1196129 | 2011-11-15 | 1252256 | 1 |
| 47. | BioAmber Inc. | 012008-0200 | BA-11-TM-1162MK2 | MARK | MEXICO | CHEMISTRY INSPIRED BY NATURE | 2011-07-19 | 1196127 | 2012-01-24 | 1262178 | 45 |
| 48. | BioAmber Inc. | 012008-0201 | BA-11-TM-1162RU | MARK | RUSSIAN FEDERATION | CHEMISTRY INSPIRED BY NATURE | 2011-07-13 | 2011722384 | 2012-07-05 | 468942 | 1-45 |
| 49. | BioAmber Inc. | 012008-0203 | BA-11-TM-1451CN1 | MARK | CHINA | BIO-SA | 2012-03-09 | 10470790 | 2013-05-28 | 10470790 | 1 |
| 50. | BioAmber Inc. | 012008-0204 | BA-11-TM-1451CN2 | MARK | CHINA | BIO-SA | 2012-02-09 | 10470789 | 2014-07-14 | 10470789 | 45 |
| 51. | BioAmber Inc. | 012008-0205 | BA-11-TM-1451EU | MARK | EUIPO (European Union) | BIO-SA | 2012-01-05 | 010542975 | 2012-06-01 | 010542975 | 1-45 |
| 52. | BioAmber Inc. | 012008-0206 | BA-11-TM-1451JP | MARK | JAPAN | BIO-SA | 2012-01-11 | 20121081 | 2012-06-15 | 5501613 | 1-45 |
| 53. | BioAmber Inc. | 012008-0207 | BA-11-TM-1451KR | MARK | REPUBLIC OF KOREA | BIO-SA | 2012-05-11 | 452012002440 | 2013-07-22 | 45004554 | 1-45 |
| 54. | BioAmber Inc. | 012008-0208 | BA-11-TM-1451US | MARK | UNITED STATES OF AMERICA | BIO-SA | 2012-01-04 | 85-508,291 | 2014-03-04 | 4,491,835 | 1 |
| 55. | BioAmber Inc. | 012008-0209 | BA-14-TM-100MID | MARK | WORLD INTELLECTUAL PROPERTY ORGANIZATION | BIOAMBER (& INFINITY DESIGN) | 2015-02-05 | 1254395 | 2015-02-05 | 1254395 | 1 |
| 56. | BioAmber Inc. | 012008-0210 | BA-11-TM-1452CN1 | MARK | CHINA | BIO-AA | 2012-04-09 | 10738643 | 2015-07-21 | 10738643 | 1 |
| 57. | BioAmber Inc. | 012008-0211 | BA-11-TM-1452CN2 | MARK | CHINA | BIO-AA | 2012-04-09 | 10738642 | 2013-06-28 | 10738642 | 45 |
| 58. | BioAmber Inc. | 012008-0212 | BA-11-TM-1452EU | MARK | EUIPO (European Union) | BIO-AA | 2012-01-05 | 010543056 | 2012-06-01 | 010543056 | 1-45 |
| 59. | BioAmber Inc. | 012008-0213 | BA-11-TM-1452JP | MARK | JAPAN | BIO-AA | 2012-01-11 | 20121082 | 2012-06-15 | 5501614 | 1-45 |
| 60. | BioAmber Inc. | 012008-0214 | BA-11-TM-1452KR | MARK | REPUBLIC OF KOREA | BIO-AA | 2012-05-11 | 4520120002437 | 2013-06-20 | 450045197 | 1-45 |
| 61. | BioAmber Inc. | 012008-0215 | BA-11-TM-1458CN1 | MARK | CHINA | BIO-BDO | 2012-02-09 | 10470782 | 2013-04-07 | 10470782 | 1 |
| 62. | BioAmber Inc. | 012008-0216 | BA-11-TM-1457CN2 | MARK | CHINA | BIO-BDO | 2012-04-06 | 10731368 | 2013-06-14 | 10731368 | 45 |
| 63. | BioAmber Inc. | 012008-0217 | BA-11-TM-1458EU | MARK | EUIPO (European Union) | BIO-BDO | 2012-01-05 | 010542884 | 2012-05-31 | 010542884 | 1-45 |
| 64. | BioAmber Inc. | 012008-0218 | BA-11-TM-1458KR | MARK | REPUBLIC OF KOREA | BIO-BDO | 2012-05-23 | 4520120002636 | 2013-07-12 | 450045462 | 1-45 |
| 65. | BioAmber Inc. | 012008-0219 | BA-11-TM-1459JP | MARK | JAPAN | BIO-BDO | 2012-01-11 | 20121083 | 2012-06-15 | 5501615 | 1-45 |
| 66. | BioAmber Inc. | 012008-0220 | BA-12-TM-1091EU | MARK | EUIPO (European Union) | BIOCAPRO | 2012-07-23 | 011061281 | 2012-12-18 | 011061281 | 1-45 |
| 67. | BioAmber Inc. | 012008-0221 | BA-12-TM-1091JP | MARK | JAPAN | BIOCAPRO | 2012-07-24 | 201259620 | 2012-12-21 | 5545904 | 1-45 |
| 68. | BioAmber Inc. | 012008-0222 | BA-12-TM-1093JP | MARK | JAPAN | BIOTHF | 2012-07-24 | 201259621 | 2012-12-21 | 5545905 | 1-45 |
| 69. | BioAmber Inc. | 012008-0223 | BA-12-TM-1094JP | MARK | JAPAN | BIOGBL | 2012-07-24 | 201259624 | 2012-12-21 | 5545906 | 1-45 |
| 70. | BioAmber Inc. | 012008-0224 | BA-12-TM-1095EU | MARK | EUIPO (European Union) | BIOMPBS | 2012-06-12 | 010956514 | 2012-11-05 | 010956514 | 1-45 |
| 71. | BioAmber Inc. | 012008-0225 | BA-12-TM-1095JP | MARK | JAPAN | BIOMPBS | 2012-06-12 | 201247688 | 2013-04-05 | 5572576 | 1-45 |
| 72. | BioAmber Inc. | 012008-0226 | BA-12-TM-1096EU | MARK | EUIPO (European Union) | MPBS | 2012-06-12 | 010956654 | 2012-11-27 | 010956654 | 1-45 |
| 73. | BioAmber Inc. | 012008-0227 | BA-12-TM-1096JP | MARK | JAPAN | MPBS | 2012-06-13 | 201247689 | 2013-04-05 | 5572577 | 1-45 |

Schedule 2-3.

| # | Owner | ROBIC Ref. | Client Ref. | File type | Territory | Title | Filing date | Filing number | Registration date | Registration number | Classes |
|-----|---------------|-------------|------------------|-----------|--|--|-------------|-------------------|-------------------|---------------------|---------|
| 74. | BioAmber Inc. | 012008-0228 | BA-12-TM-1358EU | MARK | EUIPO (European Union) | BIOAMBER INSPIRED (& DESIGN) | 2013-05-21 | 011829751 | 2013-10-15 | 011823751 | 1 |
| 75. | BioAmber Inc. | 012008-0229 | BA-14-TM-100US | MARK | UNITED STATES OF AMERICA | BIOAMBER (& INFINITY DESIGN) | 2014-08-28 | 86-380,363 | 2015-11-10 | 4,852,310 | 1 |
| 76. | BioAmber Inc. | 012008-0230 | BA-14-TM-107MD | MARK | WORLD INTELLECTUAL PROPERTY ORGANIZATION | INFINITY DESIGN | 2015-02-06 | 1256189 | 2015-02-06 | 1256189 | 1 |
| 77. | BioAmber Inc. | 012008-0231 | BA-14-TM-107US | MARK | UNITED STATES OF AMERICA | INFINITY DESIGN | 2014-08-28 | 86-380,358 | 2015-11-10 | 4,852,308 | 1 |
| 78. | BioAmber Inc. | 012008-0232 | BA-14-TM-102US | MARK | UNITED STATES OF AMERICA | INFINITY DESIGN | 2014-08-28 | 86-380,361 | 2015-11-10 | 4,852,309 | 1 |
| 79. | BioAmber Inc. | 012008-0233 | BA-14-TM-103US | MARK | UNITED STATES OF AMERICA | BIOAMBER (& INFINITY DESIGN) | 2014-08-28 | 86-380,367 | 2015-11-10 | 4,852,311 | 1 |
| 80. | BioAmber Inc. | 012008-0234 | BA-09-TM-007ODE | MARK | GERMANY | BIOAMBER | 2009-09-01 | 30200905280 80 | 2011-04-12 | 30200905280 80 | 1-42-45 |
| 81. | BioAmber Inc. | 012008-0239 | BA-11-TM-1161CN1 | MARK | CANADA | BIOAMBER CHEMISTRY INSPIRED BY NATURE (& DESIGN) | 2011-07-28 | 15376189 | 2013-08-27 | 858640 | |
| 82. | BioAmber Inc. | 012008-0240 | BA-15-TM-104US | MARK | UNITED STATES OF AMERICA | BIOAMBER INSPIRED (& INFINITY DESIGN) | 2015-04-17 | 86-501,057 | | | 1 |
| 83. | BioAmber Inc. | 012008-0242 | BA-15-TM-104BR | MARK | BRAZIL | BIOAMBER INSPIRED (& INFINITY DESIGN) | 2015-10-16 | 910137013 | | | 1 |
| 84. | BioAmber Inc. | 012008-0243 | BA-14-TM-100TH | MARK | THAILAND | BIOAMBER (& INFINITY DESIGN) | 2015-02-16 | 9174077 | 2016-10-20 | 161107727 | 1 |
| 85. | BioAmber Inc. | 012008-0246 | BA-11-TM-1161IN | MARK | INDIA | BIOAMBER CHEMISTRY INSPIRED BY NATURE (& DESIGN) | 2011-08-04 | 2185825 | 2011-08-04 | 2185825 | 1-45 |
| 86. | BioAmber Inc. | 012008-0249 | BA-11-TM-1162IN | MARK | INDIA | CHEMISTRY INSPIRED BY NATURE | 2011-08-04 | 2185828 | | | 1-45 |
| 87. | BioAmber Inc. | 012008-0290 | | MARK | WORLD INTELLECTUAL PROPERTY ORGANIZATION | BIOAMBER (& INFINITY DESIGN) - designation Rep. of Korea | | | 2015-02-05 | 1254395 | 1 |
| 88. | BioAmber Inc. | 012008-0291 | | COPYRIGHT | UNITED STATES OF AMERICA | GENERAL - COPYRIGHT | 2014-10-08 | | | | |
| 89. | BioAmber Inc. | 012008-0298 | | MARK | WORLD INTELLECTUAL PROPERTY ORGANIZATION | BIOAMBER (& INFINITY DESIGN) - DESIGNATION INDIA | 2015-02-05 | 1254395 | | 1254395 | 1 |
| 90. | BioAmber Inc. | 012008-0310 | | MARK | WORLD INTELLECTUAL PROPERTY ORGANIZATION | BIOAMBER INSPIRED (& INFINITY DESIGN) designation KOREA | 2015-10-14 | A0053891 | 2015-10-14 | 1279884 | 1 |
| 91. | BioAmber Inc. | 012008-0312 | BA-15-TM-105MD | MARK | WORLD INTELLECTUAL PROPERTY ORGANIZATION | BIOAMBER INSPIRED | 2016-02-17 | 1290373 | 2015-10-14 | 1290373 | 1 |

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