

**TRADEMARK ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	Intellectual Property Security Agreement		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
PetroAlgae, LLC		08/08/2008	LIMITED LIABILITY COMPANY: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	LV Administrative Services, Inc.		
<b>Street Address:</b>	335 Madison Avenue		
<b>Internal Address:</b>	10th Floor		
<b>City:</b>	New York		
<b>State/Country:</b>	NEW YORK		
<b>Postal Code:</b>	10017		
<b>Entity Type:</b>	CORPORATION: DELAWARE		
<b>PROPERTY NUMBERS Total: 3</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	77186439	THINKING OUTSIDE THE BARREL	
<b>Serial Number:</b>	77126270	PETROALGAE	
<b>Serial Number:</b>	77126261		
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	(312)896-5678		
	<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
<b>Phone:</b>	3124643135		
<b>Email:</b>	msmolucka@loeb.com		
<b>Correspondent Name:</b>	Scott J. Giordano/Loeb & Loeb LLP		
<b>Address Line 1:</b>	345 Park Avenue		
<b>Address Line 4:</b>	New York, NEW YORK 10154		
<b>ATTORNEY DOCKET NUMBER:</b>	211158-10025		
<b>NAME OF SUBMITTER:</b>	Mary Ann Smolucka		

CH \$90.00 77186439

Signature:	/s/ Mary Ann Smolucka
Date:	09/10/2008
<b>Total Attachments: 13</b> source=Petroalgae Intellectual Property Security Agmt#page1.tif source=Petroalgae Intellectual Property Security Agmt#page2.tif source=Petroalgae Intellectual Property Security Agmt#page3.tif source=Petroalgae Intellectual Property Security Agmt#page4.tif source=Petroalgae Intellectual Property Security Agmt#page5.tif source=Petroalgae Intellectual Property Security Agmt#page6.tif source=Petroalgae Intellectual Property Security Agmt#page7.tif source=Petroalgae Intellectual Property Security Agmt#page8.tif source=Petroalgae Intellectual Property Security Agmt#page9.tif source=Petroalgae Intellectual Property Security Agmt#page10.tif source=Petroalgae Intellectual Property Security Agmt#page11.tif source=Petroalgae Intellectual Property Security Agmt#page12.tif source=Petroalgae Intellectual Property Security Agmt#page13.tif	

## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (as from time to time amended, restated, supplemented or otherwise modified, the "Agreement"), dated as of August 8, 2008, is made by PetroAlgae, LLC, a Delaware limited liability company (the "Company") and each other party (other than the Agent) at any time signatory hereto (each a "Grantor" and, collectively, "Grantors"), in favor of LV Administrative Services, Inc., a Delaware corporation, as administrative and collateral agent for the Creditor Parties (as defined below) (the "Agent").

WHEREAS, pursuant to that certain Short Term Demand Note dated the date hereof in the original principal amount of \$417,511.92 (as amended, restated, modified and/or supplemented from time to time, the "Demand Note") made by the Company in favor of Valens U.S. SPV I, LLC ("Lender" and together with the Agent, individually, each a "Creditor Party" and collectively, the "Creditor Parties"), the Lender has agreed to provide financial accommodations to the Company;

WHEREAS, Creditor Parties are willing to enter into the Demand Note only upon the condition, among others, that Grantors shall have executed and delivered to Agent this Agreement;

NOW, THEREFORE, in consideration of the premises and mutual covenants herein contained and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor hereby agrees as follows:

### Section 1. DEFINED TERMS; RULES OF CONSTRUCTION.

- (a) Capitalized terms used in this Agreement but not otherwise defined herein have the meanings given to them in the Master Security Agreement.
- (b) When used herein the following terms shall have the following meanings:

"Copyrights" means all copyrights arising or protected under the laws of the United States, any other country or any political subdivision thereof, whether registered, or unregistered and whether published or unpublished, all registrations and recordings therefor, and all applications in connection therewith, including but not limited to all registrations, recordings and applications in the United States Copyright Office, any State, or any similar office or agency of the United States, any State, any other country or political subdivision, or any other registry.

"Copyright Licenses" means all agreements pursuant to which any Grantor is licensor or licensee, granting any right under any Copyright, including but not limited to, rights to manufacture, reproduce, display, distribute, perform, modify or otherwise exploit, and sell materials embodying or derived from, any Copyrighted work.

"Intellectual Property" means any and all of the following, throughout the world: Patents, Trademarks, Copyrights, mask works, designs, trade secrets, information, databases, rights of publicity, software, and any other proprietary rights and processes; any licenses to use any of the foregoing owned by a third party including Patent Licenses, Trademark Licenses and

Copyright Licenses; and registrations, applications and recordings pertaining to any of the foregoing on any registry.

“Master Security Agreement” means that certain Master Security Agreement dated as of the date hereof between the Company and Agent, as the same may be amended, restated, modified and/or supplemented from time to time.

“Obligations” shall have the meaning provided thereto in the Master Security Agreement.

“PTO” means the United States Patent and Trademark Office and any successor office or agency.

“Patents” means all patents issued by the PTO, any similar office or agency of the United States, any State, or any other country or political subdivision or other registry, all recordings thereof, and all applications therefor.

“Patent Licenses” means all agreements pursuant to which any Grantor is licensor or licensee, granting any right to manufacture, have made, import, use, or sell any invention covered in whole or in part by a Patent.

“Trademarks” means all trademarks, trade names, corporate names, business names, fictitious business names, Internet Domain Names, trade styles, services marks, logos and other source or business identifiers, arising or protected under the laws of the United States, any State any other country or political subdivision thereof, whether registered or unregistered, and all goodwill connected with the use of and symbolized thereby, all registrations and recordings thereof, and all applications therefor, in the PTO, in any similar office or agency of the United States, any State, any other country or political subdivision, any Internet Domain Name registrar, or any other registry.

“Trademark Licenses” mean all agreements pursuant to which any Grantor is licensor or licensee, granting any right to use a Trademark.

“UCC” shall have the meaning provided thereto in the Master Security Agreement.

- (c) All Schedules, Addenda, Annexes and Exhibits hereto or expressly identified to this Agreement are incorporated herein by reference and taken together with this Agreement constitute but a single agreement. The words “herein”, “hereof” and “hereunder” or other words of similar import refer to this Agreement as a whole, including the Exhibits, Addenda, Annexes and Schedules thereto, as the same may be from time to time amended, modified, restated or supplemented, and not to any particular section, subsection or clause contained in this Agreement. Wherever from the context it appears appropriate, each term stated in either the singular or plural shall include the singular and the plural, and pronouns stated in the masculine, feminine or neuter gender shall include the masculine, the feminine and the neuter. The term “or” is not exclusive. The term “including” (or any form thereof) shall not be limiting or exclusive. All references to statutes and related regulations shall include any amendments of same and any successor statutes and regulations. All references in this Agreement or in the Schedules,

Addenda, Annexes and Exhibits to this Agreement to sections, schedules, disclosure schedules, exhibits, and attachments shall refer to the corresponding sections, schedules, disclosure schedules, exhibits, and attachments of or to this Agreement. All references to any instruments or agreements, including references to any of this Agreement, the Demand Note and the other Documents shall include any and all modifications or amendments thereto and any and all extensions or renewals thereof.

- (d) The parties acknowledge that each party and its counsel have reviewed this Agreement and that the normal rule of construction to the effect that any ambiguities are to be resolved against the drafting party shall not be employed in the interpretation of this Agreement or any amendments, schedules or exhibits thereto.
- (e) In the event of an irreconcilable conflict between the terms of this Agreement and the terms of the Master Security Agreement, the Agent shall have the right to determine which Agreement shall govern with respect to each such conflict.

Section 2. GRANT OF SECURITY INTEREST IN INTELLECTUAL PROPERTY COLLATERAL. To secure the prompt payment to the Creditor Parties of the Obligations of the Grantors now or hereafter existing from time to time, each Grantor hereby pledges and grants to the Agent, for the ratable benefit of the Creditor Parties, a continuing security interest in and Lien upon all of such Grantor's right, title and interest in, to and under the following, whether presently existing or hereafter created or acquired (collectively, the "Collateral"):

- (a) Trademarks and Trademark Licenses to which it is a party including those referred to on Schedule I hereto;
- (b) Patents and Patent Licenses to which it is a party, including those referred to on Schedule II hereto;
- (c) Copyrights and Copyright Licenses to which it is a party, including those referred to on Schedule III hereto;
- (d) Intellectual Property not covered by the foregoing, including those referred to on Schedule IV hereto;
- (e) Renewals, reissues, continuations, divisions, or extensions of any of the foregoing;
- (f) Rights to sue third parties for past, present or future infringement, dilution, misappropriation, or other violation of rights in any Intellectual Property, including injury to the goodwill associated with any Trademark, and all causes of action for the same;
- (g) All products and Proceeds of all or any of the foregoing, tort claims and all claims and other rights to payment including (i) insurance claims against third parties for loss of, damage to, or destruction of, the foregoing Collateral and (ii) payments

due or to become due under licenses of any or all of the foregoing and Proceeds payable under, or unearned premiums with respect to policies of insurance in whatever form; provided, however, that the Collateral shall not constitute a grant of a security interest in (a) any property to the extent that such grant of a security interest is prohibited by any rule of law, statute or regulation, requires a consent not obtained of any government, governmental body or official or is prohibited by, or constitutes a breach or default under or results in the termination of or requires any consent not obtained under, any contract, license, agreement, instrument or other document evidencing or giving rise to such property, except to the extent that such rule of law, statute or regulation or the term in such contract, license, agreement, instrument or other document or shareholder or similar agreement providing for such prohibition, breach, default or termination or requiring such consent is ineffective under applicable law; and (b) any trademark or service mark applications filed in the PTO on the basis of any Grantor's intent to use such trademark or service mark, unless and until a statement of use or amendment to allege use is filed in the PTO, in which event, such trademark or service mark shall automatically be included in the Collateral.

Section 3.     REPRESENTATIONS AND WARRANTIES.

Each Grantor represents and warrants to Agent, in addition to the representations and warranties in the Master Security Agreement and the Documents, that:

- (a) Such Grantor does not own, in whole or in part, any Patent, Trademark, Copyright, or other Intellectual Property which is the subject of a registration or application in the United States Patent and Trademark Office, United States Copyright Office, any similar office or agency of the United States, any State, any other country or political subdivision, any Internet Domain Name registrar, or any other registry, except as set forth in Schedule I, Schedule II, Schedule III, and Schedule IV, respectively, hereto.
- (b) such Grantor is the sole owner of the Intellectual Property listed on Schedules I to IV hereto (as such schedules may be amended or supplemented from time to time) identified as owned by such Grantor, and all registrations and applications for such Intellectual Property are standing in the name of such Grantor.
- (c) no Intellectual Property has been licensed or sublicensed by any Grantor to any Affiliate or third party, except under the licenses disclosed in Schedules I to IV hereto.
- (d) all Intellectual Property owned by such Grantor, including the items set forth on Schedules I to IV, and, to such Grantor's knowledge, all Intellectual Property licensed to such Grantor, is subsisting in good standing, valid, and enforceable and such Grantor performed all acts and has paid all renewal, maintenance, and other fees and taxes required to maintain, each registration and application for Intellectual Property owned by such Grantor in full force and effect.

- (e) such Grantor has been using statutory notice of registration in connection with its use of registered Trademarks, proper marking practices in connection with the use of Patents, and appropriate notice of copyright in connection with the publication of Copyrighted material ;
- (f) such Grantor has taken all actions necessary to insure that all licensees of Trademarks owned by such Grantor use consistent standards of quality as directed by Grantor in connection with their licensed products and services;
- (g) this Agreement is effective to create a valid security interest in favor of Agent, for the benefit of the Creditor Parties, in all of Grantor's Intellectual Property. Upon the (i) filing of this Intellectual Property Security Agreement in the PTO (with respect to the United States Patents set forth on Schedule I hereto and the United States Trademarks set forth on Schedule II hereto), and in the United States Copyright Office (with respect to the United States Copyrights set forth on Schedule III hereto), and (ii) the filing of all appropriate UCC-1 financing statements, such security interest will be enforceable as such as against any and all creditors of, and purchasers from, Grantor. Upon the making of such filings set forth above, all action necessary or desirable to protect and perfect Agent's Lien on each Grantor's United States and State Patents, Trademarks, and Copyrights, shall have been taken.

Section 4. COVENANTS. Each Grantor covenants and agrees with Agent, from and after the date of this Agreement, and in addition to the covenants in the Master Security Agreement and the Documents, that:

- (a) Such Grantor shall notify Agent immediately if it knows or has reason to know that any application or registration relating to any Intellectual Property owned by such Grantor may become abandoned, dedicated to the public, placed in the public domain or otherwise invalidated or unenforceable, or of any adverse determination or development in any proceeding (including the institution of any proceeding) in the PTO, the United States Copyright Office, or any similar agency of the United States, any State, or other country or political subdivision thereof, any Internet Domain registry or other registry, or any court, regarding Grantor's ownership of or right to use register, keep and/or maintain any Intellectual Property;
- (b) Such Grantor shall take all actions necessary, or requested by Agent, to maintain and pursue each application, for registration in respect of the Intellectual Property owned by Grantor from time to time, by including filing applications for renewal, affidavits of use, affidavits of noncontestability and the commencement and prosecution of opposition and interference and cancellation proceedings;
- (c) In the event that any Intellectual Property owned by or exclusively licensed to such Grantor is infringed, diluted, misappropriated, or otherwise violated by a third party, such Grantor shall notify Agent promptly after such Grantor learns thereof and shall promptly take all reasonable actions to stop the same and

enforce its rights in such Intellectual Property and to recover all damages therefor, including, but not limited to, the initiation of a suit for injunctive relief and damages and shall take such other actions as are reasonable, or as Agent shall deem appropriate under the circumstances to protect such Grantor's rights in such Intellectual Property.

- (d) Such Grantor shall use statutory notice of registration in connection with its use of registered Trademarks, proper marking practices in connection with the use of Patents, appropriate notice of copyright in connection with the publication of Copyrighted materials, and other legends or markings applicable to other Intellectual Property;
- (e) Such Grantor shall maintain the level of the quality of products sold and services rendered under any Trademarks owned by such Grantor at a level at least consistent with the quality of such products and services as of the date hereof, and such Grantor shall adequately control the quality of goods and services offered by any licensees of its Trademarks; and
- (f) Such Grantor shall take all steps necessary to protect the secrecy of all trade secrets material to its business.

Section 5. SECURITY AGREEMENT. The security interests granted pursuant to this Agreement are granted in conjunction with the security interests granted by each Grantor to Agent, for the ratable benefit of the Creditor Parties, pursuant to the Master Security Agreement. Each Grantor hereby acknowledges and affirms that the rights and remedies of Agent with respect to the Collateral made and granted herein are more fully set forth in the Master Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. Any rights and remedies set forth herein are without prejudice to, and in addition to, those set forth in the Master Security Agreement.

Section 6. REINSTATEMENT. This Agreement shall remain in full force and effect and continue to be effective should any petition be filed by or against any Grantor for liquidation or reorganization, should any Grantor become insolvent or make an assignment for the benefit of any creditor or creditors or should a receiver or trustee be appointed for all or any significant part of such Grantor's assets, and shall continue to be effective or be reinstated, as the case may be, if at any time payment and performance of the Obligations, or any part thereof, is, pursuant to applicable law, rescinded or reduced in amount, or must otherwise be restored or returned by any obligee of the Obligations, whether as a "voidable preference," "fraudulent conveyance," or otherwise, all as though such payment or performance had not been made. In the event that any payment, or any part thereof, is rescinded, reduced, restored or returned, the Obligations shall be reinstated and deemed reduced only by such amount paid and not so rescinded, reduced, restored or returned.

Section 7. INDEMNIFICATION. Each Grantor assumes all responsibility and liability arising from the use of the Intellectual Property and Grantors, jointly and severally, hereby indemnify and hold Agent and each other Creditor Party harmless from and against any claim, suit, loss, damage or expense (including reasonable attorneys' fees) arising out of any



Grantor's operations of its business from the use of the Intellectual Property. In any suit, proceeding or action brought by Agent under any Patent License, Trademark License, or Copyright License for any sum owing thereunder, or to enforce any provisions of such License, Grantors will, jointly and severally, indemnify and keep Agent and each other Creditor Party harmless from and against all expense, loss or damage suffered by reason of any defense, set off, counterclaim, recoupment or reduction or liability whatsoever of the obligee thereunder, arising out of a breach of any Grantor of any obligation thereunder or arising out of any other agreement, indebtedness or liability at any time owing to or in favor of such obligee or its successors from any Grantor, and all such obligations of Grantors shall be and remain enforceable against and only against Grantors and shall not be enforceable against Agent or any other Creditor Party.

Section 8. NOTICES. Whenever it is provided herein that any notice, demand, request, consent, approval, declaration or other communication shall or may be given to or served upon any of the parties by any other party, or whenever any of the parties desires to give and serve upon any other party any communication with respect to this Agreement, each such notice, demand, request, consent, approval, declaration or other communication shall be in writing and shall be given in the manner, and deemed received, as provided for in the Master Security Agreement.

Section 9. TERMINATION OF THIS AGREEMENT. Subject to Section 6 hereof, this Agreement shall terminate upon payment in full in cash of all Obligations and irrevocable termination of the Demand Note and the Documents.

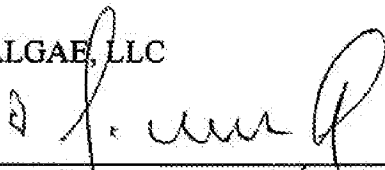
Section 10. THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED AND ENFORCED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK APPLICABLE TO CONTRACTS MADE AND PERFORMED IN SUCH STATE, WITHOUT REGARD TO PRINCIPLES OF CONFLICTS OF LAW.

[Signature Page to Follow]

IN WITNESS WHEREOF, each Grantor has executed this Intellectual Property Security Agreement as of the date first written above.

PETROALGAE, LLC

By: \_\_\_\_\_

  
Name: *Ottmar Diggel*  
Title: *CEO*

ACCEPTED and ACKNOWLEDGED by:

LV ADMINISTRATIVE SERVICES INC., as Agent

By: \_\_\_\_\_

Name:

Title:

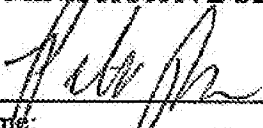
IN WITNESS WHEREOF, each Grantor has executed this Intellectual Property Security Agreement as of the date first written above.

PETROALGAE, LLC

By: \_\_\_\_\_  
Name:  
Title:

ACCEPTED and ACKNOWLEDGED by:

LV ADMINISTRATIVE SERVICES INC., as Agent

By:  \_\_\_\_\_  
Name: Patrick Regan  
Title: Authorized Signatory

SCHEDULE I  
TO  
INTELLECTUAL PROPERTY SECURITY AGREEMENT

**PETROALGAE, LLC**

I. TRADEMARK REGISTRATIONS

None.

II. TRADEMARK APPLICATION

<u>MARK</u>	<u>COUNTRY</u>	<u>APPLICATION NUMBER</u>	<u>APPLICATION DATE</u>	<u>OWNER</u>
THINKING OUTSIDE THE BARREL	U.S.	77/186439	05/21/2007	PETROALGAE LLC
PetroAlgae	U.S.	77/126270	03/08/2007	PETROALGAE, LLC
Design Only 	U.S.	77/126261	03/08/2007	PETROALGAE, LLC
PETROALGAE	WIPO	9212505	02/23/2007	PETROALGAE, LLC
PETROALGAE	INDIA	1534808	02/26/2007	PETROALGAE, LLC
PETROALGAE	MX	838745	02/26/2007	PETROALGAE, LLC

III. TRADEMARK LICENSES

None.

IV. INTERNET DOMAIN NAMES

None.

SCHEDULE II  
TO  
INTELLECTUAL PROPERTY SECURITY AGREEMENT

**PETROALGAE, LLC**

V. PATENTS

None.

VI. PATENT APPLICATIONS

<u>Owner</u>	<u>Country</u>	<u>Application Title</u>	<u>Serial No.</u>	<u>Filing Date</u>
PetroAlgae, LLC	United States PCT	System and Methods of Production and Harvesting of Oil-Rich Algae	US 11/728,297 PCT/US07/06466	March 15, 2007
PetroAlgae, LLC	PCT Taiwan	Tubular Growth Method	PCT/US07/20211 Taiwan 096164247	September 13, 2007
PetroAlgae, LLC	United States	Methods and Devices for Algal Growth Processing	Provisional 60/988,746	November 16, 2007
PetroAlgae, LLC	United States	Methods for Algal Growth	Provisional 61/024168	January 28, 2008

VII. PATENT LICENSES

Patents licensed under that certain Amended and Restated License Agreement made the 16<sup>th</sup> day of February, 2007, by and between the Arizona Science & Technology Enterprises, LLC, an Arizona limited liability company d/b/a Arizona Technology Enterprises, and PetroAlgae, LLC, a Delaware limited liability company.

<b><i>Application Serial Number</i></b>	<b><i>Title</i></b>	<b><i>Filing Date</i></b>
PCT/US07/68889	Novel Chlorella Species and Uses Thereof	May 14, 2007
PCT/US07/04351	Photobioreactor and Uses Thereof	February 20, 2007
PCT/US08/64009 Taiwan - TBD	Advanced Chlorococcum/ Scenedesmus/Palmellococcus/Cylindrospermopsis/Planktothrix) photosynthesis-driven bioremediation coupled with renewable biomass and bioenergy production	May 16, 2008

SCHEDULE III  
TO  
INTELLECTUAL PROPERTY SECURITY AGREEMENT

[If there are multiple Grantors, identify which items are owned by which Grantor]

I. COPYRIGHT REGISTRATIONS

<u>Country</u>	<u>Copyright</u>	<u>Reg. No.</u>	<u>Date</u>
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NONE

II. COPYRIGHT APPLICATIONS

<u>Country</u>	<u>Copyright</u>	<u>Reg. No.</u>	<u>Date</u>
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NONE

III. COPYRIGHT LICENSES

<u>Copyright</u>	<u>Reg. No.</u>	<u>Date</u>
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NONE

SCHEDULE IV

TO

INTELLECTUAL PROPERTY SECURITY AGREEMENT

OTHER INTELLECTUAL PROPERTY REGISTRATIONS AND APPLICATIONS.

NONE