

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM384822

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
PIONETICS CORPORATION		05/13/2016	Corporation: CALIFORNIA
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	COMERICA BANK		
<b>Street Address:</b>	39200 Six Mile Road, MC 7578		
<b>City:</b>	Livonia		
<b>State/Country:</b>	MICHIGAN		
<b>Postal Code:</b>	48152		
<b>Entity Type:</b>	Association: TEXAS		
<b>PROPERTY NUMBERS Total: 3</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	76541775	DIAL-A-TASTE	
<b>Serial Number:</b>	76439474	PIONETICS	
<b>Serial Number:</b>	76439473	LINX	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	2138960400		
<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>			
<b>Phone:</b>	2138915604		
<b>Email:</b>	aarnelle@buchalter.com		
<b>Correspondent Name:</b>	Amy Arnelle		
<b>Address Line 1:</b>	1000 Wilshire Boulevard, Suite 1500		
<b>Address Line 4:</b>	Los Angeles, CALIFORNIA 90017		
<b>NAME OF SUBMITTER:</b>	Amy Arnelle		
<b>SIGNATURE:</b>	/Amy Arnelle/		
<b>DATE SIGNED:</b>	05/18/2016		
<b>Total Attachments: 11</b>			
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## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (the "Agreement") is made as of May 13, 2016 ("Effective Date") by and between PIONETICS CORPORATION, a California corporation ("Grantor"), and COMERICA BANK ("Secured Party").

RECITALS

A. Secured Party has agreed to lend to Grantor certain funds (the "Loan"), and Grantor desires to borrow such funds from Secured Party pursuant to the terms of that certain Credit Agreement dated as of the Effective Date, as amended from time to time (the "Credit Agreement"). All initially capitalized terms used herein without definition shall have the meanings ascribed to them in the Credit Agreement.

B. In order to induce Secured Party to enter into the Credit Agreement, Grantor has agreed to grant a security interest in certain intangible property to Secured Party for purposes of securing the obligations of Grantor to Secured Party.

NOW, THEREFORE, THE PARTIES HERETO AGREE AS FOLLOWS:

1. Grant of Security Interest. As collateral security for the prompt and complete payment and performance of all of Grantor's present or future indebtedness, obligations and liabilities to Secured Party, Grantor hereby grants a security interest and mortgage to Secured Party, as security, in and to Grantor's entire right, title and interest in, to and under the following (all of which shall collectively be called the "Intellectual Property Collateral"):

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights which may be available to Grantor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including without limitation improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

(e) Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks");

(f) Any and all claims for damages by way of past, present and future infringement of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(g) All licenses or other rights to use any of the Copyrights, Patents or Trademarks, and all license fees and royalties arising from such use to the extent permitted by such license or rights; and

(h) All amendments, renewals and extensions of any of the Copyrights, Trademarks or Patents; and

(i) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

2. Authorization and Request. Grantor authorizes and requests that the Register of Copyrights and the Commissioner of Patents and Trademarks record this Agreement.

3. Covenants and Warranties. Grantor represents, warrants, covenants and agrees as follows:

(a) Grantor is now the sole owner of the Intellectual Property Collateral, except for non-exclusive licenses granted by Grantor to its customers in the ordinary course of business;

(b) Performance of this Agreement does not conflict with or result in a breach of any agreement to which Grantor is party or by which Grantor is bound;

(c) During the term of this Agreement, Grantor will not transfer or otherwise encumber any interest in the Intellectual Property Collateral, except for Permitted Encumbrances and licenses granted by Grantor in the ordinary course of business or as set forth in this Agreement;

(d) Each of the Patents is valid and enforceable, and no part of the Intellectual Property Collateral has been judged invalid or unenforceable, in whole or in part, and no claim has been made that any part of the Intellectual Property Collateral violates the rights of any third party;

(e) Grantor shall register or cause to be registered (to the extent not already registered) with the United States Patent and Trademark Office or the United States Copyright Office, as applicable, those intellectual property rights listed on Exhibits A, B and C hereto within thirty (30) days of the date of this Agreement. Grantor shall register or cause to be registered with the United States Patent and Trademark Office or the United States Copyright Office, as applicable, those additional intellectual property rights developed or acquired by Grantor from time to time in connection with any product prior to the sale or licensing of such product to any third party (including without limitation revisions or additions to the intellectual property rights listed on such Exhibits A, B and C);

(f) Grantor shall promptly give Secured Party written notice of any applications or registrations of any additional intellectual property rights filed with the United States Patent and Trademark Office, including the date of such filing and the registration or application numbers, if any.

(g) Grantor shall (i) give Secured Party not less than thirty (30) days' prior written notice of the filing of any applications or registrations of any additional intellectual property rights with the United States Copyright Office, including the title of such intellectual property rights to be registered, as such title will appear on such applications or registrations, and the date such applications or registrations will be filed, and (ii) prior to the filing of any such applications or registrations, shall execute such documents as Secured Party may reasonably request for Secured Party to maintain its perfection in such intellectual property rights to be registered by Grantor, and upon the request of Secured Party, shall file such documents simultaneously with the filing of any such applications or registrations. Upon filing any such applications or registrations with the United States Copyright Office, Grantor shall promptly provide Secured Party with (i) a copy of such applications or registrations, without the exhibits, if any, thereto, (ii) evidence of the filing of any documents

requested by Secured Party to be filed for Secured Party to maintain the perfection and priority of its security interest in such intellectual property rights, and (iii) the date of such filing.

(h) Grantor shall deliver to Secured Party within thirty (30) days of the last day of each fiscal quarter, a report signed by Grantor, in form reasonably acceptable to Secured Party, listing any applications or registrations that Grantor has made or filed in respect of any patents, copyrights or trademarks and the status of any outstanding applications or registrations. Grantor shall promptly advise Secured Party of any material change in the composition of the Intellectual Property Collateral, including but not limited to any subsequent ownership right of the Grantor in or to any Trademark, Patent or Copyright not specified in Exhibits A, B and C to this Agreement;

(i) Grantor shall promptly execute, deliver or file such additional instruments and documents and take such further actions as Secured Party may reasonably request from time to time to perfect, continue the perfection or maintain the priority of Secured Party's security interest in the Intellectual Property Collateral;

(j) Grantor shall: (i) protect, defend and maintain the validity and enforceability of the Trademarks, Patents and Copyrights; (ii) use its best efforts to detect infringements of the Trademarks, Patents and Copyrights and promptly advise Secured Party in writing of material infringements detected; and (iii) not allow any Trademarks, Patents or Copyrights to be abandoned, forfeited or dedicated to the public without the written consent of Secured Party, which shall not be unreasonably withheld, unless Grantor determines that reasonable business practices suggest that abandonment is appropriate;

(k) Secured Party may audit Grantor's Intellectual Property Collateral to confirm compliance with this Section 3, provided such audit may not occur more often than twice per year, unless an Event of Default has occurred and is continuing. Secured Party shall have the right, but not the obligation, to take, at Grantor's sole expense, any actions that Grantor is required under this Section 3 to take but which Grantor fails to take within fifteen (15) days of notice thereof to Grantor. Grantor shall reimburse and indemnify Secured Party for all reasonable costs and reasonable expenses incurred in the reasonable exercise of its rights under this Section 3.

(l) This Agreement creates in favor of Secured Party, and in the case of after acquired Intellectual Property Collateral, at the time Grantor first has rights in such after acquired Intellectual Property Collateral this Agreement will create in favor of Secured Party, a valid and perfected first priority security interest in the Intellectual Property Collateral in the United States, subject to Permitted Encumbrances, securing the payment and performance of the obligations evidenced by the Credit Agreement upon making the filings referred to in clause (m) below;

(m) Except for, and upon, the filing with the United States Patent and Trademark office with respect to the Patents and Trademarks and the Register of Copyrights with respect to the Copyrights such documents as are necessary to perfect the security interests created hereunder, and except as has been already made or obtained, no authorization, approval or other action by, and no notice to or filing with, any U.S. governmental authority or U.S. regulatory body is required either (i) for the grant by Grantor of the security interest granted hereby or for the execution, delivery or performance of this Agreement by Grantor in the U.S. or (ii) for the perfection in the United States or the exercise by Secured Party of its rights and remedies hereunder;

(n) All information heretofore, herein or hereafter supplied to Secured Party by or on behalf of Grantor with respect to the Intellectual Property Collateral is accurate and complete in all material respects;

(o) Grantor shall not enter into any agreement that would materially impair or conflict with Grantor's obligations hereunder without Secured Party's prior written consent, which consent shall not be unreasonably withheld. Grantor shall not permit the inclusion in any material contract to which it becomes a

party of any provisions that could or might in any way prevent the creation of a security interest in Grantor's rights and interests in any property included within the definition of the Intellectual Property Collateral acquired under such contracts; and

(p) Upon any executive officer of Grantor obtaining actual knowledge thereof, Grantor will promptly notify Secured Party in writing of any event that materially adversely affects the value of any Intellectual Property Collateral, the ability of Grantor to dispose of any Intellectual Property Collateral or the rights and remedies of Secured Party in relation thereto, including the levy of any legal process against any of the Intellectual Property Collateral.

4. Secured Party's Rights. Secured Party shall have the right, but not the obligation, to take, at Grantor's sole expense, any actions that Grantor is required under this Agreement to take but which Grantor fails to take, after fifteen (15) days' notice to Grantor. Grantor shall reimburse and indemnify Secured Party for all reasonable costs and reasonable expenses incurred in the reasonable exercise of its rights under this Section 4.

5. Inspection Rights. Grantor hereby grants to Secured Party and its employees, representatives and agents the right to visit, during reasonable hours upon prior reasonable written notice to Grantor, any of Grantor's plants and facilities that manufacture, install or store products (or that have done so during the prior six month period) that are sold utilizing any of the Intellectual Property Collateral, and to inspect the products and quality control records relating thereto upon reasonable written notice to Grantor and as often as may be reasonably requested; provided that, so long as no Event of Default has occurred, Grantor is only required to reimburse Bank for two (2) inspections per year.

6. Further Assurances: Attorney-in-Fact.

(a) On a continuing basis, Grantor will make, execute, acknowledge and deliver, and file and record in the proper filing and recording places in the United States, all such instruments, including appropriate financing and continuation statements and collateral agreements and filings with the United States Patent and Trademark Office and the Register of Copyrights, and take all such action as may reasonably be deemed necessary or advisable, or as requested by Secured Party, to perfect Secured Party's security interest in all Copyrights, Patents and Trademarks and otherwise to carry out the intent and purposes of this Agreement, or for assuring and confirming to Secured Party the grant or perfection of a security interest in all Intellectual Property Collateral.

(b) Grantor hereby irrevocably appoints Secured Party as Grantor's attorney-in-fact, with full authority in the place and stead of Grantor and in the name of Grantor, from time to time in Secured Party's discretion, to take any action and to execute any instrument which Secured Party may deem necessary or advisable to accomplish the purposes of this Agreement, including (i) to modify, in its sole discretion, this Agreement without first obtaining Grantor's approval of or signature to such modification by amending Exhibit A, Exhibit B and Exhibit C, thereof, as appropriate, to include reference to any right, title or interest in any Copyrights, Patents or Trademarks acquired by Grantor after the execution hereof or to delete any reference to any right, title or interest in any Copyrights, Patents or Trademarks in which Grantor no longer has or claims any right, title or interest, (ii) to file, in its sole discretion, one or more financing or continuation statements and amendments thereto, relative to any of the Intellectual Property Collateral without the signature of Grantor where permitted by law, and (iii) after the occurrence of an Event of Default, to transfer the Intellectual Property Collateral into the name of Secured Party or a third party to the extent permitted under the California Uniform Commercial Code.

7. Events of Default. The occurrence or existence of an Event of Default under and as defined in the Credit Agreement shall constitute an "Event of Default" under this Agreement.

8. Remedies. Upon the occurrence and continuance of an Event of Default, Secured Party shall have the right to exercise all the remedies of a secured party under the California Uniform Commercial Code, including without limitation the right to require Grantor to assemble the Intellectual Property Collateral and any tangible property in which Secured Party has a security interest and to make it available to Secured Party at a place designated by Secured Party. Secured Party shall have a nonexclusive, royalty free license to use the Copyrights, Patents and Trademarks to the extent reasonably necessary to permit Secured Party to exercise its rights and remedies upon the occurrence of an Event of Default. Grantor will pay any expenses (including reasonable attorneys' fees) incurred by Secured Party in connection with the exercise of any of Secured Party's rights hereunder, including without limitation any expense incurred in disposing of the Intellectual Property Collateral. All of Secured Party's rights and remedies with respect to the Intellectual Property Collateral shall be cumulative.

9. Indemnity. Grantor agrees to defend, indemnify and hold harmless Secured Party and its officers, employees, and agents against: (a) all obligations, demands, claims, and liabilities claimed or asserted by any other party in connection with the transactions contemplated by this Agreement; and (b) all losses or expenses in any way suffered, incurred, or paid by Secured Party as a result of or in any way arising out of, following or consequential to transactions between Secured Party and Grantor, whether under this Agreement or otherwise (including without limitation reasonable attorneys' fees and reasonable expenses), except for losses arising from or out of Secured Party's gross negligence or willful misconduct.

10. Course of Dealing. No course of dealing, nor any failure to exercise, nor any delay in exercising any right, power or privilege hereunder shall operate as a waiver thereof.

11. Attorneys' Fees. If any action relating to this Agreement is brought by either party hereto against the other party, the prevailing party shall be entitled to recover reasonable attorneys' fees, costs and disbursements.

12. Amendments. This Agreement may be amended only by a written instrument signed by both parties hereto.

13. Counterparts. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument.

14. California Law and Jurisdiction; Jury Waiver. This Agreement shall be governed by the laws of the State of California, without regard for choice of law provisions. Grantor and Secured Party consent to the exclusive jurisdiction of any state or federal court located in Santa Clara County, California. GRANTOR AND SECURED PARTY EACH WAIVE THEIR RESPECTIVE RIGHTS TO A JURY TRIAL OF ANY CLAIM OR CAUSE OF ACTION BASED UPON OR ARISING OUT OF THE LOAN DOCUMENTS, THIS AGREEMENT, OR ANY OF THE TRANSACTIONS CONTEMPLATED HEREIN, INCLUDING CONTRACT CLAIMS, TORT CLAIMS, BREACH OF DUTY CLAIMS, AND ALL OTHER COMMON LAW OR STATUTORY CLAIMS.


[signature page follows]

IN WITNESS WHEREOF, the parties hereto have executed this Intellectual Property Security Agreement on the day and year first above written.

Address of Grantor:

**PIONETICS CORPORATION**

Pionetics Corporation  
4635 Ruffner Street  
San Diego, CA 92111

By:   
Name: Bret C. Vessey  
Title: CFO



Address of Secured Party:

Comerica Bank  
DiamondView Tower  
350 Tenth Avenue, Suite 700  
San Diego, CA 92101

COMERICA BANK


By:   
Name: JOHN W. CARDOSA  
Title: VICE PRESIDENT

EXHIBIT A

Copyrights

None.

EXHIBIT B

Patents

<b>Owner</b>	<b>Title</b>	<b>Patent No.</b>
Pionetics Corporation	Electrochemical ion exchange treatment of fluids	14/044,840 / 9,090,493
Pionetics Corporation	Electrochemical ion exchange treatment of fluids	11/539,596 / 8,562,803
Pionetics Corporation	Cartridge having textured membrane	12/861,800 / 8,293,085
Pionetics Corporation	Selectable ion concentrations with electrolytic ion exchange	10/637,186 / 7,344,629
Pionetics Corporation	Electrochemically assisted ion exchange	08/790,710 / 5,788,826
Pionetics Corporation	Regeneration of electrolytic ion exchange skills	11/731188 / 20070175766 (Pub. No.)
Pionetics Corporation	Power Supply for Electrochemical Ion Exchange Cell	11/552068 / 20070120523 (Pub. No.)
Pionetics Corporation	Electrochemical ion exchange with textured membranes and cartridge	11/190802 / 20070023290 (Pub. No.)
Pionetics Corporation	Power supply for electrochemical ion exchange	11/024521 / 20060138997 (Pub. No.)
Pionetics Corporation	Fluid flow controlling valve having seal with reduced leakage	11/021931 / 20060137986 (Pub. No.)

Exhibit B

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Owner	Title	Patent No.
Pionetics Corporation	Textured ion exchange membranes	10/900256 / 20060016685 (Pub. No.)

EXHIBIT C

Trademarks

<b>Trademark</b>	<b>Serial/Reg No.</b>	<b>Ownership of Record</b>
DIAL-A-TASTE	76541775 / 3454200	Pionetics Corporation
PIONETICS	76439474 / 2789653	Pionetics Corporation
LINX	76439473 / 2789652	Pionetics Corporation

Exhibit C

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**RECORDED: 05/18/2016**

**TRADEMARK  
REEL: 005795 FRAME: 0368**