## 505732124 10/21/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5778936

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
RYAN J. GILLIAM	03/31/2016
MICHAEL KOSTOWSKYJ	03/31/2016
THOMAS H. MCWAID	03/31/2016
SAMARESH MOHANTA	03/30/2016
HONG ZHAO	03/31/2016

#### **RECEIVING PARTY DATA**

Name:	CALERA CORPORATION
Street Address:	11500 DOLAN ROAD
City:	MOSS LANDING
State/Country:	CALIFORNIA
Postal Code:	95039

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16590729

### **CORRESPONDENCE DATA**

**Fax Number:** (650)493-6811

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.

**Phone:** 1-650-493-9300

Email: PATENTDOCKET@WSGR.COM, GROBLES@WSGR.COM

Correspondent Name: WILSON SONSINI GOODRICH & ROSATI

Address Line 1: 650 PAGE MILL ROAD

Address Line 4: PALO ALTO, CALIFORNIA 94304-1050

ATTORNEY DOCKET NUMBER:	CLRA-090CON2
NAME OF SUBMITTER:	JING WANG
SIGNATURE:	/Jing Wang/
DATE SIGNED:	10/21/2019

**Total Attachments: 3** 

source=Calera 37589-796.302 Assignment from parent#page1.tif

PATENT REEL: 050775 FRAME: 0782

505732124

source=Calera 37589-796.302 Assignment from parent#page2.tif source=Calera 37589-796.302 Assignment from parent#page3.tif

PATENT REEL: 050775 FRAME: 0783

	PATENT ASSIGNMENT		Docket Number CLRA-090
WHEREAS, the undersigne	d:		•
<ol> <li>Ryan J. Gilliam San Jose, CA</li> </ol>	<ol><li>Michael Kostowskyj Los Gatos, CA</li></ol>	<ol> <li>Thomas H. McWaid Santa Cruz, CA</li> </ol>	Samaresh Mohanta     Dublin, CA
i. Hong Zhao Marina, CA			
(hereinafter "Inventor(s)),"	have invented certain new and useful impro	ovements in	•
	ION EXCHANGE MEMBRANES, EI	LECTROCHEMICAL SYSTEM	IS, AND METHODS
	olication serial number $\underline{15/071,648}$ was file y'). The term "Application(s)" also include		
"Assignee"), is desirous of a combodiments of the invention as "Inventions"), and in a countries, or under any inter-	acquiring the entire right, title and interest ions, heretofore conceived, made or discove and to any and all patents, inventor's certific	n and to said Application(s), and t red, whether jointly or severally, t rates and other forms of protection or treaty, including those filed unc	35 Alberto Way. Los Gatos. CA 95032, (hereinafter the inventions disclosed therein, and in and to all by said Inventor(s) (hereinafter collectively referred a thereon granted in the United States, foreign the Paris Convention for the Protection of
NOW, THEREFO	ORE, in consideration of good and valuable	e consideration acknowledged by s	said Inventor(s) to have been received in full from
Inventions; (b) in and to sai is a divisional, substitution, or reissuing from any of the and to each and every paten present and future infringen	d Applications, including the right to claim continuation, or continuation-in-part of an foregoing; (e) in and to each and every re t and application filed outside the United S	priority to and from said Application of said Application(s); (d) in and issue, reexamination, renewal or e tates and corresponding to any of sue for and to receive and recover	entire right, title and interest (a) in and to said tion(s); (c) in and to each and every application that it to said Patent(s) and each and every patent issuing extension of any kind of any of the foregoing; (f) in the foregoing; and(g) in and to all claims for past, for Assignee's own use all past, present, and future.
right, title and interest herei cooperation by said Invento specifications, declarations Assignee the right, title and divisional, continuing or ad- (e) for interference or other therefor and any Patent(s) g priority contests, public use	n conveyed in the United States, foreign or r(s) shall include prompt production of per or other papers, and other assistance all to interest herein conveyed; (b) for prosecuti- ditional applications covering said Inventic priority proceedings involving said Inventi- tranted thereon, including without limitation	nuntries, or under any international tinent facts and documents, giving the extent deemed necessary or deing any applications covering said ons; (d) for filing and prosecuting fors; and (f) for legal proceedings are reissues and reexaminations, oppositions, opposit	ole said Assignee to enjoy to the fullest extent the l convention, agreement, protocol, or treaty. Such g of testimony, execution of petitions, oaths, sirable by said Assignee (a) for perfecting in said Inventions; (c) for filing and prosecuting substitute, applications for reissuance of any said Patent(s); involving said Inventions and any applications position proceedings, cancellation proceedings, t reasonable expenses incurred by said Inventor(s)
	rms and covenants of this assignment shall e binding upon said Inventor(s), their respe		
4. Said In contract, or understanding i	nventor(s) hereby warrant, represent and con conflict herewith.	evenant that said Inventor(s) have	not entered and will not enter into any assignment,
	ity, be issued in the name of the Assignee,		ign countries, or under any international convention, he sole use of said Assignee, its successors, legal
law principles. If any provi	ision of this instrument is found to be illegated aw. This instrument may be executed in	al or unenforceable, the other prov	e State of California, without regard to conflict of isions shall remain effective and enforceable to the med an original, but all of which together constitute
IN WITNESS W	HEREOF, said Inventor(s) have executed	and delivered this instrument to sa	aid Assignee as of the dates written below:
Date: 3/31/16	Myl-	Date: 3/31/16	Whattle .

Page 1 of 2

Samaresh Mohanta

WHEDEAC (Landarian)	
WHEREAS, the undersigned:	
1. Ryan J. Gilliam       2. Michael Kostowskyj       3. Thomas H. McWaid       4. Samaresh Mohanta         San Jose, CA       Los Gatos, CA       Santa Cruz, CA       Dublin, CA	
5. Hong Zhao Marina, CA	
(hereinafter "Inventor(s))," have invented certain new and useful improvements in	
ION EXCHANGE MEMBRANES, ELECTROCHEMICAL SYSTEMS, AND METHODS	
or which application serial number 15/071,648 was filed on March 16, 2016 in the United States Patent and Trademark Office (hereinafter, "Application(s)"). The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).	
WHEREAS, Calera Corporation, a corporation of the State of Delaware, having a place of business at 485 Alberto Way, Los Gatos, CA 95032, (here "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s), and the inventions disclosed therein, and in and to embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively reas "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise (hereinafter "Patent(s)").	all eferred
NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full said Assignce:	from
1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions; (b) in and to said Applications, including the right to claim priority to and from said Application(s); (c) in and to each and every application is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent or reissuing from any of the foregoing; (e) in and to each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and(g) in and to all claims for present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for Assignee's own use all past, present, and lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Patent(s).	on that ssuing (f) in
2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extentight, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filling and prosecuting applications for reissuance of any said Patent (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any application therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceeding priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Invention in providing such cooperation shall be paid for by said Assignee.	Such said stitute, (s):
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.	
4. Said Inventor(s) hereby warrant, represent and covenant that said Inventor(s) have not entered and will not enter into any assignment, or understanding in conflict herewith.	ment,
5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convagreement, protocol, or treaty, be issued in the name of the Assignce, or its successors and assigns, for the sole use of said Assignce, its successors, le representatives and assigns.	ention, gal
6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together continue and the same agreement.	to the
IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignce as of the dates written below:	
Date: Date: Michael Kostowskyj	_
Date: Date: 3/30/16 Samaresh Mohanta	<del></del>

8244537\_1.doc

Hong Zhao

Page 1 of 2

	PATENT ASSIGNMENT	Docket Number CLRA-090
RECEIVED AND AGRI	By: William Randall Seeker Title: Chief Technology Officer	•
·		
	· · · · · · · · · · · · · · · · · · ·	

8244537\_1.doc

**RECORDED: 10/21/2019** 

Page 2 of 2

PATENT REEL: 050775 FRAME: 0786