PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3480259

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEHYUN CHAE	07/14/2015
JEONGSOO KIM	07/14/2015
JONGSEON KIM	07/15/2015
SAI BHAVARAJU	07/13/2015

RECEIVING PARTY DATA

Name:	SK INNOVATION CO., LTD.
Street Address:	26, JONG-RO, JONGNO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	110-728
Name:	CERAMATEC, INC.
Street Address:	2425 SOUTH 900 WEST
City:	SALT LAKE CITY
State/Country:	UTAH
Postal Code:	84119

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14824500

CORRESPONDENCE DATA

Fax Number: (412)945-5933

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: 412-471-8815

Email: assignments@webblaw.com **Correspondent Name:** THE WEBB LAW FIRM, P.C. Address Line 1: ONE GATEWAY CENTER

Address Line 2: 420 FT. DUQUESNE BLVD, SUITE 1200 Address Line 4: PITTSBURGH, PENNSYLVANIA 15222

ATTORNEY DOCKET NUMBER: 5038-155911

> **PATENT REEL: 036309 FRAME: 0703**

NAME OF SUBMITTER: RICHARD L. BYRNE		
SIGNATURE: /richard byrne/		
DATE SIGNED: 08/12/2015		
Total Attachments: 5		
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PATENT REEL: 036309 FRAME: 0704

City: Pittsburgh State: PA Zin: 15222 8. Payment Information a. Credit Card Last 4 Numbers	RECORDATION FO	ORM COVER SHEET
1. Name of conveying party(ies) Jethyun CHAE JeongSoo KIM JongSeon KIM Sai BHAVARAJU Additional name(s) of conveying party(ies) attached?	PATENT	S ONLY
JeHyun CHAE JeongSoo KIM JongSeon KIM Sai BHAVARAJU Additional name(s) of conveying party(ies) attached?	To the Director of the U.S. Patent and Trademark Office: Plea	se record the attached documents or the new address(es) below.
3. Nature of conveyance/Execution Date(s): Execution Date(s) July 14, 2015; July 15, 2015; July 13, 2015 ✓ Assignment ☐ Security Agreement ☐ Change of Name ☐ Joint Research Agreement ☐ Government Interest Assignment ☐ Executive Order 9424, Confirmatory License ☐ Other ☐ Other 4. Application or patent number(s): ☐ A. Patent Application No.(s) ☐ 14/824,500 Additional numbers attached? ☐ Yes ✓ No 5. Name and address to whom correspondence concerning document should be mailed: Name: Richard L. Byrne ☐ Internal Address: The Webb Law Firm ☐ Street Address: 26, Jong-To, Jongno-gu City: Seoul State: ☐ Country: REPUBLIC OF KOREA Zip: 110-728 Additional name(s) & address(es) attached? ☑ Yes ☐ Additional name application and patents involved: ☐ B. Patent No.(s) 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 0 ☐ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account ☐ Enclosed ☐ None required (government interest not affecting State: PA State: PA 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 0 ☐ Authorized to be charged to deposit account ☐ Enclosed ☐ None required (government interest not affecting a. Credit Card Last 4 Numbers ☐ A. Credit Card L	JeHyun CHAE JeongSoo KIM JongSeon KIM	Name: SK Innovation Co., Ltd.
Security Agreement	3. Nature of conveyance/Execution Date(s): Execution Date(s) July 14, 2015; July 15, 2015; July 13, 2015	
4. Application or patent number(s): A. Patent Application No.(s) 14/824,500 Additional numbers attached? Yes No 5. Name and address to whom correspondence concerning document should be mailed: Name: Richard L. Byrne Internal Address: The Webb Law Firm Internal Address: One Gateway Center 420 Ft. Duquesne Blvd., Ste 1200 City: Pittsburgh State: PA Zin: 15222 This document is being filed together with a new application in the step of the properties of the properties of the step of the properties of the step of the properties of the step of the properties of the prop	Security Agreement Change of Name Joint Research Agreement Government Interest Assignment	State:
4. Application or patent number(s): A. Patent Application No.(s) 14/824,500 Additional numbers attached? Yes Vo 5. Name and address to whom correspondence concerning document should be mailed: Name: Richard L. Byrne Internal Address: The Webb Law Firm Street Address: One Gateway Center 420 Ft. Duquesne Blvd., Ste 1200 City: Pittsburgh State: PA Zin: 15222 This document is being filed together with a new application in the patent of th	Other	Additional name(s) & address(es) attached? ✓ Yes □ No
concerning document should be mailed: Name: Richard L. Byrne involved: 1 Internal Address: The Webb Law Firm 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 0 Authorized to be charged by credit card Authorized to be charged to deposit account Street Address: One Gateway Center Enclosed Vin: 15222 None required (government interest not affecting 8. Payment Information a. Credit Card Last 4 Numbers	A. Patent Application No.(s) 14/824,500	B. Patent No.(s)
Internal Address: The Webb Law Firm Street Address: One Gateway Center 420 Ft. Duquesne Blvd., Ste 1200 City: Pittsburgh State: PA Zin: 15222 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 0 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting) 8. Payment Information a. Credit Card Last 4 Numbers	concerning document should be mailed:	
Street Address: One Gateway Center 420 Ft. Duquesne Blvd., Ste 1200 City: Pittsburgh State: PA Zin: 15222 Enclosed None required (government interest not affecting a. Credit Card Last 4 Numbers)	Authorized to be charged by credit card
State: PA Zin: 15222 a. Credit Card Last 4 Numbers		
	City: Pittsburgh	8. Payment Information
Expiration Date	State: <u>PA</u> Zip: <u>15222</u>	a. Credit Card Last 4 Numbers Expiration Date
Phone Number: 412-471-8815 Fax Number: 412-945-5933 b. Deposit Account Number		b. Deposit Account Number
Email Address: assignments@webblaw.com Authorized User Name		Authorized User Name
9. Signature: Signature Signature Richard L. Byrne Name of Person Signing August 12, 2015 Date Total number of pages including cover sheet, attachments, and documents:	Signature Richard L. Byrne	Date Total number of pages including cover 5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Doc. No. 35Z2479

RECORDATION FORM COVER SHEET PATENTS ONLY

Page 2

U.S. Patent Application No	14/824,500 , filed August 12, 2015
U.S. Patent No.	, issued
Additional Inf	formation (continued from Page 1)
Name of conveying party(ies)	Name and address of receiving party(ies)
	Name: Ceramatec, Inc.
	Internal Address:
	Street Address: 2425 South 900 West
	City: Salt Lake City
Execution Date(s):	State: Utah
·	Country: United States Zip: 84119
Name of conveying party(ies)	Name and address of receiving party(ies)
	Name:
	Internal Address:
	<u></u>
	Street Address:
	City:
Execution Date(s):	
,	Zip:

PATENT REEL: 036309 FRAME: 0706

Application	INTERNATIONAL No
Attorney Do	ocket No.
ASSIGNMENT	
WHEREAS, as a below named inventor, I have invented certamprovements in	ain new and useful
Sodium Secondary Battery	
(Invention Title)	
x for which I have this day executed an application for a United States "said application"). AND/OR	Patent (hereinafter
for which an application for a United States Patent was filed on and bears Application Number (hereinafter "said application) (hereinafter "said application") (her	(mm/dd/yyyy) ation").
for which an international patent application was filed under the Patent on(mm/dd/yyyy), bearing Application No "said application").	•
AND, WHEREAS, SK INNOVATION CO., LTD., a corporate of Korea, having a place of business at 26, Jong-ro, Jongno-gu, Seoul 11 Korea, Ceramatec, Inc. a corporation of U.S.A, having a place of business West, Salt Lake City, UT 84119 United States of America hereinafter called desirous of acquiring the entire right, title, and interest in and to said an enventions and improvements therein disclosed.	0-728 Republic of at 2425 South 900 d the "assignee", is
NOW, THEREFORE, for good and valuable consideration passignee, the receipt of which is hereby acknowledged, I as the inventor inventors, hereinafter the assignor(s), do hereby assign, sell and transfer untfull and exclusive right, title and interest in and to said application and improvements therein disclosed for the United States and all foreign countries that which may issue therefor in the United States and all foreign countries.	r or as one of the to said assignee the the inventions and ries and any Letters

I hereby authorize and request any attorney associated with The Webb Law Firm, Customer No. 28289, to insert here in parentheses (Application No. 14/8244500 filed 08/12/2015) the filing date and application number of said application when known.

assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been

reissues, continuations, continuations-in-part, renewals and/or extensions thereof.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me

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made.

	INTERNATIONAL
Application	No
Attorney D	ocket No

respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR: JEHYUN CHAE	RESIDENCE: Daejeon, Republic of Korea
EXECUTED this 14th day of July,	201 <u>5</u>
WITNESS:	Signature
WITI (LOS).	
O FULL MANT OF ACCIONOD	DECIDENCE.
2. FULL NAME OF ASSIGNOR: JEONGSOO KIM	RESIDENCE: Daejeon, Republic of Korea
EXECUTED this 14th day of July,	201 <u>5</u>
•	SIGNATURE
WITNESS:	

F2013-0026-US-01 (15-103 US)-Assignment for signature Page 2 of 3

	Attorney Docket No.
3. FULL NAME OF ASSIGNOR: JONGSEON KIM	RESIDENCE: Dacjeon, Republic of Korea
EXECUTED this 15th day of July	,201 <u>5</u>
	Sydnature
WITNESS:	
	
4. FULL NAME OF ASSIGNOR: Sai Bhavaraju	RESIDENCE: UT, United States America
EXECUTED this 13th day of	, 201 <u>S</u>
	Signature
WITNESS:	
(m) no	

F2013-0026-US-01 (15-103 US)-Assignment for signature $\ \ Page\ 3\ of\ 3$

PATENT REEL: 036309 FRAME: 0709

INTERNATIONAL

Application No.

RECORDED: 08/12/2015