504520198 08/25/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JONG HYUN JANG	08/12/2017
HYOUNG-JUHN KIM	08/14/2017
SUNG JONG YOO	08/17/2017
JIN YOUNG KIM	08/24/2017
HYUNG CHUL HAM	08/18/2017
DIRK HENKENSMEIER	08/23/2017
SO YOUNG LEE	08/14/2017
HYUN SEO PARK	08/14/2017
YOUNGSEUNG NA	08/14/2017
MIN GWAN HA	08/14/2017

RECEIVING PARTY DATA

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State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15686689

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	CHIP-104 (KIST)
NAME OF SUBMITTER:	ROBERT H. BERDO, JR.

PATENT 504520198 REEL: 043404 FRAME: 0512

SIGNATURE:	/Robert H. Berdo, Jr./	
DATE SIGNED:	08/25/2017	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 3		

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> PATENT REEL: 043404 FRAME: 0513

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Jong Hyun JANG, Hyoung-Juhn KIM, Sung Jong YOO, Jin Young KIM, Hyung Chul HAM, Dirk HENKENSMEIER, So Young LEE, Hyun Seo PARK, Youngseung NA and Min Gwan HA of Republic of Korea; hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to

ELECTROCHEMICAL REACTION CELL ENHANCING REDUCTION REACTION

[X] said application	n being attached hereto;	
[] said application	having been filed in the United States Patent ar	nd Trademark Office on
, as	Application Serial No, and wa	as amended on
(if applicable);		
[] the specification	n of which was filed under the Patent Cooperatio	on Treaty on,
Serial No	, the United States of America being of	designated.

AND WHEREAS KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY of Seoul, Republic of Korea, an entity organized and existing under the laws of Republic of Korea; hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Address all correspondence and telephone calls to Rabin & Berdo, P.C., 1101 14th Street, N.W., Suite 500, Washington, D.C. 20005, Telephone: (202) 371-8976; Fax: (202) 408-0924, Customer No. 23995.

PATENT REEL: 043404 FRAME: 0514

WITNESS: Signature: MJW KYVNGT CHO Name: MIN KYVNGT CHO Address: Hwayangno 14-gil S, Secnybuk-gy, Seoul 021192, Republic of Koren	ASSIGNOR (SOLE OR FIRST INVENTOR): Signature: Legal Name: Jong Hyun JANG Date: AM(n, プリー
WITNESS: Signature: Lywy Name: MIN KYUNGT CHO Address: Hwarungno 14-Jil 5, Seconduk-Jus Secul 02192, Republic of Korea	ASSIGNOR (SECOND INVENTOR): Signature: Houry Juhn KIM Date: 14, 10 1/
WITNESS: Signature: Kyllag- Name: MIN KYUNG CHO Address: Hwaraligno 14-9il S, Seongbuk-049 Scall 02792, Kepublic of Koren	ASSIGNOR (THIRD INVENTIOR): Signature: Legal Name: Sung Jong YOO Date:
WITNESS: Signature: Kyster Name: MIN KYNNG CHO Address: Hwarangno 14-gil 5, Seonghik -94, Searl 02/192, Republic of Korea	ASSIGNOR (FOURTH INVENTOR): Signature: Legal Name: Jin Young KIM Date: ANJ. AV. DOI
WITNESS: Signature: Kyung Name: MIN KYUNG CHO Address: Hwaraugno 14-ji/5, Seonybuk - Ju, Seon 02792, Republic of Koren	ASSIGNOR (FIFTH INVENTOR): Signature: 18. 2017 Date: 4.49 - 18. 2017

PATENT REEL: 043404 FRAME: 0515

WITNESS;	ASSIGNOR (SIXTH IŅVEŅTOR):
Signature: With	Signature: Din Kunzly Stulie
Name: MIN KYUNG CHO	Legal Name: <u>Dirk HENKENSMEIER</u>
Address: Hwarangno 14-9715, Soombuk-gu,	Date: 7017.08.23
Seal 02192, Republic of Korea	
WITNESS: Signature: Kyupu Name: MIN KYUNG CHO Address: Hwarangno 14-5115, Seony buk-94, Serul 02792, Republic of Karca	ASSIGNOR (SEVENTH INVENTOR): Signature:
WITNESS: Signature:	ASSIGNOR (EIGHTH INVENTOR): Signature: Legal Name: Hyun Seo PARK Date:
WITNESS: Signature: Kythny Name: MIN KYUNG CHO Address: Hwarangno 14-971 5, Soongbuk-gu, Soul 02192, Republic of Korea	ASSIGNOR (NINETH INVENTOR): Signature: Legal Name: Youngseung NA Date: (4. Aug., 20//)
WITNESS: Signature: Kyung CHO Name: MIN KYUNG CHO Address: Hwarangno 14 jil 5, Seonybuk-gu, Seaul 02192, Republic of Korea	ASSIGNOR (TENTH INVENTOR): Signature:

PATENT REEL: 043404 FRAME: 0516

RECORDED: 08/25/2017

RABIN & BERDO, P.C., Washington, D.C.