505230559 12/11/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HYUN SEO PARK	12/05/2018
KAHYUN HUR	12/07/2018
MIN-SOEK KIM	12/07/2018
JIMIN KONG	12/05/2018
JONG HYUN JANG	12/05/2018
CHANG WON YOON	12/05/2018
HYUNG CHUL HAM	12/05/2018
SUK WOO NAM	12/06/2018
JONGHEE HAN	12/07/2018
ARA JO	12/05/2018

RECEIVING PARTY DATA

Name:	KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY	
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City:	SEOUL	
State/Country:	KOREA, REPUBLIC OF	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16216287

CORRESPONDENCE DATA

Fax Number: (202)408-0924

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.

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Email: firm@rabinberdo.com **Correspondent Name:** RABIN & BERDO, P.C.

Address Line 1: 1101 14TH ST., N.W., SUITE 500 Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER: CHIP-138 (KIST)

NAME OF SUBMITTER: ROBERT H. BERDO, JR.

PATENT 505230559 REEL: 047745 FRAME: 0065

SIGNATURE:	/Robert H. Berdo, Jr./	
DATE SIGNED:	12/11/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 3		

Total Attachments: 3

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> **PATENT REEL: 047745 FRAME: 0066**

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Hyun Seo PARK, Kahyun HUR, Min-Soek KIM, Jimin KONG, Jong Hyun JANG, Chang Won YOON, Hyung Chul HAM, Suk Woo NAM, Jonghee HAN and Ara JO of Republic of Korea; hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to

CATALYST FOR ELECTROCHEMICAL AMMONIA SYNTHESIS AND METHOD FOR PRODUCING THE SAME

X] said application being attached hereto;] said application having been filed in the United States Patent and Trademark Office on, as Application Serial No, and was amended on	·
(if applicable); [] the specification of which was filed under the Patent Cooperation Treaty on Serial No, the United States of America being 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 assigner, the receipt of which is hereby acknowledged, said assigner 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: 047745 FRAME: 0067

Attorney Reference: CHIP-138 (KIST)

Continued – Page 2 ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

ASSIGNOR (SOLE OR FIRST INVENTOR):
Signature:
Legal Name: Hyun Seo PARK
Date: 5- DEC-Jd.

ASSIGNOR (SECOND INVENTOR):
Signature:
Legal Name: <u>Kahyun HUR</u>
Date: <u>7- DEC-2018</u>
,
ASSIGNOR (THIRD INVENTOR):
Signature:
Legal Name: Min-Soek KIM
Date:
ASSIGNOR (FOURTH INVENTOR):
Signature:
Legal Name: <u>Jimin KONG</u>
Date:5 - 06C - 2018
ASSIGNOR (FIFTH INVENTOR):
ASSIGNOR (FIETH INVENTOR): Signature:
Legal Name: <u>Jong Hyun JANG</u>
Date: 5-000-2018
ASSIGNOR (SIXTH INVENTOR):
Signature:
Legal Name: Chang Won YOON
Date: 5 - 0 EC - 2017.

PATENT REEL: 047745 FRAME: 0068

Attorney Reference: CHIP-138 (KIST)

Continued – Page 3 ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

ASSIGNOR (SEVENTH INVENTUR):
Signature:
Legal Name: Hyung Chul HAM
Date: 5-07-24
ASSIGNOR (EIGHTH INVENTOR):
Signature: Sulutumu
Legal Name: Suk Woo NAM
Date:
ASSIGNOR (NINETH INVENTOR):, /
Signature: Songhee HAN
Legal Name Jonghee HAN
Date: Pec 7. 2018
ASSIGNOR (TENTH INVENTOR):
Signature:
Legal Name: Ara JO
Date: 5-hE(-2018

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

PATENT REEL: 047745 FRAME: 0069

RECORDED: 12/11/2018