PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sung Hee Ko	10/03/2011
Sung Jae Kim	08/08/2011
Jongyoon Han	08/12/2011
HiongYap Gan	08/08/2011

RECEIVING PARTY DATA

Name:	Massachusetts Institute of Technology	
Street Address:	One Cambridge Center, Kendall Square	
Internal Address:	Room NE18-501	
City:	Cambridge	
State/Country:	MASSACHUSETTS	
Postal Code:	02142	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13162911

CORRESPONDENCE DATA

Fax Number: (978)251-3973 Phone: 978-251-3509

Email: amy.green@elmorepatents.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Elmore Patent Law Group, P.C.

484 Groton Road Address Line 1:

Westford, MASSACHUSETTS 01886 Address Line 4:

ATTORNEY DOCKET NUMBER:	4041.3011 US1
NAME OF SUBMITTER:	Roy P. Issac, Reg. No. 58165

PATENT

REEL: 027077 FRAME: 0716 501694308

Total Attachments: 4

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WHEREAS, we, Sung Hee Ko, Sung Jae Kim, Jongyoon Han and Hiong Yap Gan have invented a certain improvement in Method for Enhancing Current Throughput in an Electrochemical System described in an application for Letters Patent of the United States, the specification of which:

is being executed on even date herewith and is about to be filed in the United States Patent Office;

[X] was filed on June 17, 2011 as Application No. 13/162,911;

was patented under U.S. Patent No. [] on [].

WHEREAS, Massachusetts Institute of Technology (hereinafter "ASSIGNEE"), a university organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at One Cambridge Center, Kendall Square, Building NE18-501, Cambridge, Massachusetts 02142 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein:

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

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Inventor		Date	10.03.2011	
	Sung Hee Ko			
Address Poh	ang University of Science	and technolog	y Sandl, Hyoja-d	eng
<u> 14</u>	am-Gu, Pohang, Kore	a (790-784)		
Print Witness Name	Bunchang Kim			
Address Pohery Univers	stay of science and technol	yy, San Fl, Hyss	9-dong Nam-Gru Poha	ny Korea (190-1184)
	~~·			. 10
Print Witness Name				
Address Puhung Unive	ursity of Science and technology	By SAN 71 HYOJE	-dong Nan-Gu, Polon	e Korea (790-784)
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IN TESTIMONY WHER	EOF, we have hereu	unto set our hands and affixed our seals the date set forth below.
	Inventor:	fuery sive
		Sung Jae Kim
State/Commonwealth		
of Maggachusetes		
County of USA Mi	ddlesex	
On this day of day of Sung Jae Ki	August m proved to me thro	, 2011, before me, the undersigned notary public, ough satisfactory evidence of identification, which were e person whose name is signed on the preceding or attached
		ne foregoing instrument as his/her free act and deed.
ARGI DI BELLE DE LE	Maria Na My Commiss	Notary Public acgi (print name) ssion expires 10 / 3 / 14
. NOTAR LIGHT		

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assigns, and legal representative	
IN TESTIMONY WHE	REOF, we have hereunto set our hands and affixed our seals the date set forth below.
	Inventor: mymm ()
	Jongyogn Man
State/Commonwealth	
of Massichusetts	
County of Middlesex	
On this 12th day of	August , 2011, before me, the undersigned notary public,
	Han proved to me through satisfactory evidence of identification, which were
MASS License	to be the person whose name is signed on the preceding or attached
document, and acknowledged th	at he/she executed the foregoing instrument as his/her free act and deed.
WHITE THE PARTY OF	Maria Nargi (print name) My Commission expires 10 / 3 / 14
Marioise: *	Masia Nasa: (print nama)
A CALL	print name)
3:8	My Commission expires $10/3/14$
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below.	nventor:	
	HiongYap Ga	n
State/Commonwealth,	-	
of Massachusetts		
County of USA Middlese	r	
On this 8 day of Augus		before me, the undersigned notary public,
personally appeared HiongYap Gan pro-	ved to me through satisfactor	y evidence of identification, which were
Singapire licence	, to be the person whose	name is signed on the preceding or attached
document and any mowledged that he/she	e executed the foregoing inst	rument as his/her free act and deed.
"III" NAME! "VI	1.0	
A SOUNT AND THE SECOND	Maria Nargi	Notary Public
	Masia Nacai	(nrint nama)
(SEATON AND TARK OF THE PARTY O	My Commission expires <u>lo</u>	_/ <u>_3_</u> / <u>_J4</u> _
COMMENT		
MASSACTION		

RECORDED: 10/18/2011