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OMB No. 0651-0027 (exp. 03/31/2)



11-16-2009



T OF COMMERCE and Trademark Office

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.		
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)	
Raouf O. Loutfy	Name: Materials and Electrochemical Research (MER) Corporation	
Juan L. Sepulveda	Internal Address:	
Sekyung Chang		
Additional name(s) of conveying party(les) attached? Yes X No		
3. Nature of conveyance/Execution Date(s):	Street Address: 7960 S. Kolb Road	
Execution Date(s)November 5,2009		
Assignment Merger		
Security Agreement Change of Name	City: Tucson	
Joint Research Agreement	State:Arizona	
Government Interest Assignment		
Executive Order 9424, Confirmatory License	Country: United States Zip 25756	
Other	Additional name(s) & address(es) attached? Tyes X No	
4. Application or patent number(s):	document is being filed together with a new application.	
A. Patent Application No.(s)	B. Patent No.(s)	
	` '	
12/460,451 PCT/US2009/004167		
Additional numbers attached? Yes No		
5. Name and address to whom correspondence	6. Total number of applications and patents	
concerning document should be mailed:	involved: 2	
Name MER Corporation	7. Total fee (37 CFR 1.21(h) & 3.41) \$80.00	
Internal Address:		
	Authorized to be charged to deposit account	
Street Address:7960 S. Kolb Road	★ Enclosed	
	None required (government interest not affecting title)	
City: Tucson	8. Payment information	
State: Arizona Zip85756		
Phone Number(520) 574-1980		
Fax Number: (520) 574-1983	Deposit Account Number	
Email Address:	Authorized User Name	
Q Cianatura.		
9. Signature:	2005/20/11	
Signature	Date	
9. Signature: Signature Raouf O. Loutfy Name of Person Signing	Total number of pages including covard 51 5	

Documents to be recorded (including cover sheet) should be faxed toggy page 12459451 Mail Stop Assignment Recorded (including cover sheet) should be faxed toggy page 12459451 11/18/2009 JHD) 11

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Applicants: Loutfy et al.

U.S. Application No.: 12/460,451 International Application No.: PCT/US2009/004167

U.S. and International Filing Dates: July 16, 2009

For: Ready-to-Sinter Spinel Nanomixture and Method for Preparing Same

ASSIGNMENT

WHEREAS, I/we, the undersigned, RAOUF O. LOUTFY, JUAN L. SEPULVEDA and SEKYUNG CHANG, own rights to the invention entitled "Ready-to-Sinter Spinel Nanomixture and Method for Preparing Same", which invention is the subject of United States Patent Application No. 12/460,451, filed on July 16, 2009, and International Patent Application No. PCT/US2009/004167, filed in the United States Patent and Trademark Office on July 16, 2009, both of said patent applications claiming priority rights of United States Provisional Application No. 61/135,034, filed July 16, 2008; and

WHEREAS, MATERIALS AND ELECTROCHEMICAL RESEARCH CORPORATION, (hereinafter "Company" or "Assignee"), a corporation organized and existing under the laws of the state of Arizona, and having a principal place of business at 7960 S. Kolb Road, Tucson, Arizona 85756, is desirous of acquiring the undersigned's entire right, title and interest in and to said invention, said patent applications and said priority rights;

NOW, THEREFORE, for one dollar and other good and valuable considerations, the receipt of all of which is hereby acknowledged, the undersigned hereby sell, assign, and transfer unto said Company, its successors, assigns, and legal representatives, the undersigned's entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention described in said patent applications, together with the undersigned's entire right, title and interest in and to said patent applications and said priority rights, and such Letters Patent that may issue thereon or patent applications that may claim priority thereto under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, designs, reissues, reexaminations, extensions, and substitutions of said patent applications, and any right, title and interest in provisional applications to which said patent applications claim priority and such Letters Patent that may issue thereon; said invention, patent applications and Letters Patent to be held and enjoyed by said Company 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 the undersigned had this assignment and sale not been made; the undersigned hereby convey all rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. The undersigned hereby acknowledge that this assignment carries with it the right in said Company to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by

> PATENT REEL: 023521 FRAME: 0236

Docket No. (U.S.) 7000AB.1 Docket No. (PCT) 7000AB.1A attorneys and agents of said Company's selection and the right to procure the grant of all Letters Patent to said Company in its own name as assignee of the entire right, title and interest therein;

AND, the undersigned hereby further agree to execute upon request any other lawful documents prepared by said Company that may be deemed necessary to secure fully the aforesaid invention to said Company, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, continuation, design, divisional, reissue, reexamination, substitution, or corresponding foreign or international patent applications;

AND, the undersigned hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention or any patent application or patent directed thereto may be involved;

AND, the undersigned hereby authorize and request the Director of the United States Patent and Trademark Office and the empowered officials of all other governments to issue such Letters Patent as shall be granted upon said applications, or applications based thereon, to said Company, its successors, assigns, or legal representatives.

IN WITNESS WHEREOF, I have unto set my hand and seal on the date indicated by my signature.

Inventor Signature: 2.0. 3.

Date: 11/05/2005

STATE OF QZ

COUNTY OF ρ_{ind}) ss.

TY OF Pind)
On the 5th day of November, 2009, before me personally came to me known to be the individual described in and who executed the foregoing instrument and acknowledged that he/she executed the same.

joanne Carrillo (SEA **Notary Public** Pima County, Artzona My Comm. Expires 02-15-12

My commission expires: $\partial -15.12$

PATENT REEL: 023521 FRAME: 0237

Inventor Signature: Date: $\frac{11/05/2009}{5$
On the 5th day of before me personally came to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that he/she executed the same.
Joanne Carrillo Notary Public Plma County, Artzona My Comm. Expires 02-15-12 My commission expires: 0-15.13
Inventor Signature: 5. K-chy Date: 11/05/2009
STATE OF ()2) ss. COUNTY OF (inc.) On the 5th day of November, 2009, before me personally came service to me known to be the individual described in and who executed the foregoing instrument and acknowledged that he/she executed the same.
(SEAL) Joanne Carrillo Notary Public Prima County, Artzona My Comm. Expires 02-15-12 My commission expires: 2-15-12

FOR THE COMPANY: Signature: Position: Date: PAR L. J. 200	9
STATE OF OZ) COUNTY OF Pina) On the 5th day of November Racyf o Loutfy to me known to be the	, 200 <u></u> , before me personally came individual described in and who executed the
foregoing instrument, and acknowledged that he/s.	he executed the same.
(SEAL) Joanne Carrillo Notary Public Pima County, Arizona My Comm. Expires 02-15-12	My commission expires: 3-15-12

RECORDED: 11/09/2009

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