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Ī	FORM PTO-1595 11 - 14 -	2005 PARTMENT OF COMMERCE				
	(Rev. 6-93)	Patent and Trademark Office				
1	(Rev. 0-93)					
	103118	Attorney Docket No.: 040894-7171 MAIL STOP ASSIGNMENT RECORDATION SERVICES				
ļ	To the Commissioner for Patents ATTN: MAIL STOP ASSIGNMENT RECORDATION SERVICES Please record the attached original documents or copy thereof.					
	1. Name of conveying party(ies):	2. Name and address of receiving party(ies):				
20- Jp	1) Shigeo YAMAGUCHI 2) Yasuo IWAMURA 3) Atsushi YAMAMOTO	Name: National Institute of Advanced Industrial Science and Technology Internal Address:				
0,	Additional names of conveying party(ies) attached? ☐ Yes ☐ No	Street Address: 3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921 Japan				
	3. Nature of conveyance:	City: State: Zip:				
	Assignment	Additional name(s) & address(es) attached? ☐ Yes ⊠ No				
	4. New Application number(s) or patent number(s): NEW APPLICATION					
	If this document is being filed together with a new application the execution date of the application is:					
	A. Patent Application No.(s) January 24, 2005 B. Patent No.(s)					
	Additional numbers attached: ☐Yes ☒No					
	5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1				
	Name: Robert J. Gaybrick	7. Total fee (37 C.F.R. §3.41): <u>\$40.00</u> Enclosed				
ļ	Internal Address: Morgan, Lewis & Bockius LLP Customer No. 09629 Street Address: 1111 Pennsylvania Ave., N.W. City: Washington State: D.C. Zip: 20004	Authorized to be charged to Deposit Account 50-0310 8. Deposit Account No. 50-0310 (Attach duplicate page if paying by deposit account)				
	9. Statement and Signature					
	To the best of my knowledge and belief, the foregoing inform of the original document.	nation is true and correct and any attached copy is a true copy				
	Robert J. Goodell, Reg. No. 41,040 Name of Person Signing Signatu Total no.	re Date umber of pages including cover sheet, attachments and documents: 3				

1-WA/2332662.1

ASSIGNMENT

WHEREAS I/We, the below named inventor	or(s), [hereinafter referred to as Assignor(s)], h	ave made an invention entitled:
THERMOELECTRIC MATERIAL OCNI	TAINING NITROGEN	
for which I/WE executed an application for United S States Letters Patent on, (Applicat National Institute of WHEREAS Science and Technology	States Letters Patent concurrently herewith; or sion No	whose most office address is
* see below (hereina	fter referred to as Assignee), is desirous of sec	turing the entire right, title, and
interest in and to this invention, the application for U upon this application; $*3-1$, Kasumigaseki	i 1-chome, Chiyoda-ku, Tokyo 100	10 the Letters Patent to be issued 1-8921 Japan
NOW THEREFORE, be it known that, for a acknowledged, I/WE, as assignor(s), have sold, assigned to the assignee, its lawful successors and assigns, lapplication, and all divisions, and continuations there all reissues thereof; and I/WE hereby authorize and rall Letters Patent for this invention to assignee, its su AND, I/WE HEREBY further covenant and its successors and assigns, any facts known to ME/U papers when called upon to do so, execute and delive in said assignee, its successors and assigns, execute a generally do everything possible to aid assignee, its sinvention in the United States, it being understood the assignee, its successors and assigns. AND, I/WE HEREBY authorize and requesting the same and requesting the same assigns.	good and valuable consideration the receipt of gned, transferred, and set over, and do hereby s MY/OUR entire right, title, and interest in and eof, and all Letters Patent of the United States request the Commissioner of Patents and Trade accessors and assigns, in accordance with the tell agree that I/WE will, without further consider S respecting this invention and testify in any leter all papers that may be necessary or desirable all divisional, continuation, and reissue applicate successors and assigns, to obtain and enforce point any expense incident to the execution of successors that may be received in the Death of the attorneys I/WE have empowered in the Death of the attorneys I/WE have empowered in the Death of the attorneys I/WE have empowered in the Death of the attorneys I/WE have empowered in the Death of the attorneys I/WE have empowered in the Death of the attorneys I/WE have empowered in the Death of the attorneys I/WE have empowered in the Death of the attorneys I/WE have empowered in the Death of the attorneys I/WE have empowered in the Death of the attorneys I/WE have empowered in the Death of the attorneys I/WE have empowered in the Death of the attorneys I/WE have empowered in the Death of the attorneys I/WE have empowered in the Death of the attorneys I/WE have empowered in the Death of the I/WE have empowered in the Death of the I/WE have empowered in the Death of I/WE have empowered in the Death of I/WE have empowered in the I/WE have empowered in the Death of I/WE have empowered in the Death of I/WE have empowered in the I/WE have empowe	which from assignee is hereby sell, assign, transfer, and set over to this invention and this which may be granted thereon, and smarks of the United States to issue trans of this Assignment; ration, communicate with assignee, regal proceeding, sign all lawful to perfect the title to this invention tions, make all rightful oaths and roper patent protection for this ch papers shall be borne by the
in this application, to insert here in parentheses (App	lication No, filed) the filing date and
application number of said application when known. January 28, 200		ry 28, 2005
IN TESTIMONY WHEREOF, I/WE have h	ereunto set our hand(s).	
Full Name of Sole or First Assignor Shigeo YAMAGUCHI	Assignor's Signature Sulo Fano Net	Date January 24, 2005
c/o National Institute of A Address and Technology, Tsukuba Cer Tsukuba-shi, Ibaraki 305-85	Advànced Industrial Science atral 2, 1-1, Umezono 1-chome, 568 Japan	Citizenship Japan
Full Name of Second Assignor Yasuo: IWAMURA'	Assignor's Signature	Date January 24, 2005
c/o National Institute of A and Technology, Tsukuba Cer Tsukuba-shi, Ibaraki 305-85	Advanced Industrial Science ntral 2, 1-1, Umezono 1-chome, 568 Japan	Citizenship Japan
Names of additional inventors attached [X] Yes	[] No	

Morgan, Lewis & Bockius LLP

WA01/24264.1

PATENT REEL: 017193 FRAME: 0239

Full Name of Third Assignor Atsushi YAMAMOTO	Assignor's Signature / Harmamed	Date January 24, 2005
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Full Name of Fourth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Fifth Assignor	Assignor's Signature .	Date
Address .		Citizenship
Full Name of Sixth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Seventh Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Eighth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Ninth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Tenth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Eleventh Assignor	Assignor's Signature	Date
Address		Citizenship
Names of additional inventors attached [] Yes [X] No	

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RECORDED: 01/28/2005 REEL: 017193 FRAME: 0240