FORM PTO-161 Expires 06/30/99 OMB 0651-0027	O & DOE O STORY	09-11-2003			artment of Commerce d Trademark Office PATENT		
9/8/03	PATENT & TRANSMER RECUIS	PATENTS ONL'	Y ·		0848		
TO The Director of the United States Patent and Trademark Office: Please record the attached original document(s) or copy(ies).							
Submission New		Conveyance Typ Assignment	Security Ag	reement			
Document		License	Change of	Name			
Reel #	of PTO Error Frame #	Merger	U.S. Governme	nfirmatory l	License		
Corrective		(For Us	e ONLY by U.S. Governr)		
Reel #	Frame #	✓ Dep	partmental File	Seci	et File		
Conveying Pa	arty(ies)	Mark if additional	names of conveying	parties attac	ched Execution Date Month Day Year		
Name (line 1) L	OCKHEED MARTIN ENERGY RI	ESEARCH CORPORATIO	N		8/22/1999		
Name (line 2)					-		
Second Party _					Execution Date Month Day Year		
Name (line 1)							
Name (line 2)							
Receiving Pa	rty	M:	ark if additional name	s of receivin	g parties attached		
Name (line 1)	J. S. Department of Energy				If document to be recorded is an assignment and the receiving party is not		
Name (line 2)					domiciled in the United States, an appointment of a domestic		
Address (line 1) 1	000 Independence Avenue, S.W.		representative is attached. (Designation must be a separate document from				
Address (line 2)					Assignment.)		
Address (line 3)	Vashington City	D.C. State/Country	20	0585-0162			
City State/Country Zip Code Domestic Representative Name and Address Enter for the first Receiving Party only.							
Name							
Address (line 1)							
Address (line 2)							
Address (line 3)							
Address (line 4)							
FOR OFFICE USE ONLY							

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS

Mail documents to be recorded with required cover sheet(s) information to:

Mail Stop Assignment Recordation Services, Director of the United States Patent and Trademark Office,
P.O. Box 1450, Alexandria, VA 22313-1450

PATENT

REEL: 014467 FRAME: 0024

FORM PTO-1619B Expires 06/30/99 OMB 0651-0027	Page 2		U.S. Department of Commerce Patent and Trademark Office PATENT					
Correspondent Name and Address	Area Code and Telephone	e Number	202-586-2802					
Name Betty A. Winchester								
Address (line 1) U. S. Department of Energy								
Address (line 2) 1000 Independence Avenue, S.W.								
Address (line 3) Washington, D. C. 20585-0162								
Address (line 4)								
Pages Enter the total number of pagincluding any attachments.	es of the attached conveya	nce document	# 1					
Application Number(s) or Patent Num	nber(s)	Mark if add	itional numbers attached					
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).								
Patent Application Number(s)		Patent N	umber(s)					
If this document is being filed together with a new Patent Application, enter the date the patent application was								
Patent Cooperation Treaty (PCT)	PCT PC	т [PCT					
Enter PCT application number only if a U.S. Application Number								
has not been assigned.	PCT PC	Γ	PCT					
Number of Properties Enter the total number of properties involved. # 1								
Fee Amount Fee Amount	for Properties Listed (37 Cl	FR 3.41): \$ [0.00					
Method of Payment: Enclosed Deposit Account Deposit Account								
(Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: #								
Authorization to charge additional fees: Yes No								
Statement and Signature								
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as								

indicated herein. Brenda K. Banks Date

Name of Person Signing

09/396,062

DOE Docket No. ERID 0553, S-90, 848

CONFIRMATORY LICENSE

Application for:

Apparatus and Method for Evaporation Defrosting

Inventor(s):

Viung C. Mei, Fang C. Chen, Ronald E. Domitrovic

Serial No.:

09/396,062

Filing Date (U.S.)

September 15, 1999

Contractor:

Lockheed Martin Energy Research Corporation .

DOE Contract No.:

DE-AC05-96OR22464

The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provision of the above-numbered contract (certified on 11-8-95) governing patent rights in the Subject Invention at the time the invention was made has been submitted to the U. S. Department of Energy.

The Contractor hereby confirms that under the provisions of the above-numbered contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the subject invention throughout the world. This license applies to the invention in the above-identified patent application and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of said contract or any other agent between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The Contractor hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Signed this 22 day of October, 1999.

RECORDED: 09/08/2003

Lockheed Martin Energy Research Corporation

(Contractor)

(Contractor's Official and Title)

Dean A. Waters, Director

Office of Technology Transfer

If the invention was made under a subcontract, please identify the Prime Contractor_____and Prime Contract No.

PATENT REEL: 014467 FRAME: 0026