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FORM PTO-1595 (Revised 6-93) 09-29-1999



101157689 TO THE HONORABLE COMMISSIONER UP PATENTS AND TRADEMARKS:  Please record the attached original documents or copy thereof.  ATTORNEY DOCKET NO.: 12022.0008							
1.		2. Name and address of receiving party(ies):  Name: Lockheed Martin Energy Research Corporation  Internal Address: Oak Ridge National Laboratory  Street Address: P.O. Box 2008  City: Oak Ridge  State: TN  Zip: 37831-6255  Additional name(s) and address(es) attached?  [] YES [X] NO					
3.	Nature of conveyance:						
х	Assignment Merger	Other					
	Security Agreement Change of N	Name					
	Execution Date:						
4. A.	If this document is being filed together with a n 9/20/99  Patent Application No.(s):  Additional numbers attached? [] YES [X] NO	new application, the execution date of the application is:  B. Patent No.(s):  6. Total number of applications and patents involved: 1					
7.	Total fee (37 CFR 3.41):  [X] Enclosed  [] Authorized to be charged to Deposit Account.  ***********************************						
8.	(Annual destinations of this form if marine by destinations)						
		PATENT 60 09/88/19					

**PATENT** 

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9.	To the best of my knowledge and belief, the for true copy of the original document.	regoing information is true and correct and any attached copy is a	
	Gwendolyn D. Spratt Reg. No. 36,016	9-21-99 Date	
	Total N	Number of Pages Including Cover Sheet, Attachments, and Document: 4	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: BOX ASSIGNMENT, Commissioner of Patents and Trademarks, Washington, D.C. 20231, on the date indicated below.			
Gwendol	Inerdolyn 8. Spendtt yn D. Spratt	9-2/-99 Date	

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## ASSIGNMENT

WHEREAS, I, the below-named inventor whose residence and post office are as stated below, have invented certain new and useful improvements in a

## NON-RADIOACTIVE METHODS FOR CHEMICAL CLEAVAGE SEQUENCING AND FOOTPRINTING OF NUCLEIC ACIDS

for which an application for United States Letters Patent was executed by us on even date herewith, and

WHEREAS, LOCKHEED MARTIN ENERGY RESEARCH CORPORATION, a corporation of the State of Delaware, having an office at Oak Ridge National Laboratory, Post Office Box 2008, Oak Ridge, Tennessee 37831-6255, hereinafter called the ASSIGNEE, is desirous of acquiring the entire right, title and interest in the application and invention and to any Letters Patent that may be granted therefor in the United States of America and in any and all foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign to ASSIGNEE the entire right, title and interest in the application and the invention, to all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefor on the invention.

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We hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of said Letters Patent, when granted, to the ASSIGNEE.

Further, we hereby agree to communicate to said ASSIGNEE or its representatives any facts known to us respecting said invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said invention in the United States of America and in any and all foreign countries.

We further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on us, our heirs, legal representatives, and assigns.

Full	name	of firet	inventor:
+ 411	Hallic	Or mist	mvemor.

NARAYANA RAO IYYALASOMAYAZULA

Signature

Date

Residence:

108 Verbena Road, Oak Ridge, TN 37830

Post Office Address: Same as residence

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## ATTORNEY DOCKET NO. 12022.0008

State of Tennessee

County of Roane

On this 21st day of September, 1999, before me, a Notary Public in and for the County and State aforesaid, appeared Narayana Rao Iyyalasomayazula to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Nótary Public

SEAL

My Commission Expires: Sept. 27,2000

TOTAL P.08

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