



11/4/98

To the Honorable Commissioner of Pa

100879423

Attached original documents or copy thereof.

1. Name of conveying party(ies):
 Claudia A. Walls Ogbemi O. Omatete
 Glenn H. Kirby Stephen D. Nunn
 Mark A. Janney April D. McMillan

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
 Name: Lockheed Martin Energy Research Corporation
 Internal Address:
 Street Address: Bethel Valley Road
 Oak Ridge, Tennessee 37831

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Dates: 10/26/98, 10/27/98, 10/26/98,
 10/26/98, 10/26/98, 10/26/98

4. Application number(s) or patent number(s):
 If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s)
 09/135,500

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Gregory A. Nelson
 Internal Address: _____
 Street Address: QUARLES & BRADY
 222 Lakeview Avenue - 4th Floor
 West Palm Beach, FL 33401

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 34)\$ 40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number
 17-0055

(Attach duplicate copy of this page if paying by deposit account)

11/13/1998 00000201 09135500

01 FC:501 40.00 00 DO NOT USE THIS SPACE

9. 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.

Harvey D. Fried Date Nov. 4, 1998

Total number of pages including cover sheet: 6

ASSIGNMENT

WHEREAS, we, the below-named inventors whose residence and post office addresses are as stated below, have co-invented certain new and useful improvements in

GELCASTING COMPOSITIONS AND METHODS

for which an application for United States Letters Patent was executed by the below-named inventors on even date herewith, which application has been assigned U.S. Patent Application Serial No. 09/135,500; and

WHEREAS, LOCKHEED MARTIN ENERGY RESEARCH CORPORATION, a corporation of the State of Delaware, having an office at Oak Ridge National Laboratory, Bethel Valley Road, P.O. Box 2009, 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 property 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.

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 American 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 FIRST INVENTOR: Claudia A. Walls

INVENTOR'S SIGNATURE: Claudia A. Walls DATE: 10-26-98

RESIDENCE: Oak Ridge, Tennessee

CITIZENSHIP: U.S.A.

POST OFFICE ADDRESS: 123 North Hollywood Circle, Oak Ridge, Tennessee 37830

State of Tennessee)
County of Roane)

(at large)

On this 26th day of October 1998, before me, a Notary Public in and for the County and State aforesaid, appeared **Claudia A. Walls**, 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 given above.

Patricia H. Miller
Notary Public

Commission expires 4-20-99

SEAL.

FULL NAME OF SECOND INVENTOR: Glen H. Kirby

INVENTOR'S SIGNATURE: Glen H. Kirby DATE: 10-27-98

RESIDENCE: Knoxville, Tennessee

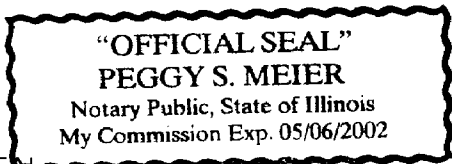
CITIZENSHIP: U.S.A.

POST OFFICE ADDRESS: 1506 Fairview Drive, Knoxville, TN 37918

State of Tennessee IL)
County of Champaign)

On this 27 day of October 1998, before me, a Notary Public in and for the County and State aforesaid, appeared **Glen H. Kirby**, 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 given above.



Peggy S. Meier
Notary Public

SEAL

FULL NAME OF THIRD INVENTOR: Mark A. Janney

INVENTOR'S SIGNATURE: Mark A. Janney DATE: 10-26-98

RESIDENCE: Knoxville, Tennessee

CITIZENSHIP: U.S.A.

POST OFFICE ADDRESS: 11508 North Monticello Drive, Knoxville, TN 37922

State of Tennessee)
County of Roane)
(at large)

On this 26 day of Oct, 1998, before me, a Notary Public in and for the County and State aforesaid, appeared **Mark A. Janney**, 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 given above.

Patricia H. Miller
Notary Public
Commission expires 4-20-99

SEAL

FULL NAME OF FOURTH INVENTOR: Ogbemi O. Omatete

INVENTOR'S SIGNATURE: Ogbemi O. Omatete DATE: 10/26/98

RESIDENCE: ~~Redondo, California~~ Knoxville, TN

CITIZENSHIP: ~~Nigeria~~ USA
10607 Alameda Drive, Knoxville, TN

POST OFFICE ADDRESS: ~~625 Esplanade Avenue, Redondo, California~~

State of Tennessee)
County of Roane)

On this 26th day of October, 1998, before me, a Notary Public in and for the County and State aforesaid, appeared Ogbemi O. Omatete, 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 given above.

Patricia H. Miller
Notary Public
Commission expires 4-20-99

SEAL

FULL NAME OF FIFTH INVENTOR: Stephen D. Nunn

INVENTOR'S SIGNATURE: Stephen D. Nunn DATE: 10/26/98

RESIDENCE: Knoxville, Tennessee

CITIZENSHIP: U.S.A.

POST OFFICE ADDRESS: 4116 Guinn Road, Knoxville, Tennessee 37931

State of Tennessee)
County of Roane)

On this 26th day of October, 1998, before me, a Notary Public in and for the County and State aforesaid, appeared Stephen D. Nunn, 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 given above.

Patricia H. Miller
Notary Public
Commission expires 4-20-99

SEAL

FULL NAME OF SIXTH INVENTOR: April D. McMillan

INVENTOR'S SIGNATURE: April D. McMillan DATE: 10-26-98

RESIDENCE: Knoxville, Tennessee

CITIZENSHIP: U.S.A.

POST OFFICE ADDRESS: 1608 Drinnen Road, Knoxville, TN 37914

State of Tennessee)
County of Roane)
(At Large)

On this 26th day of October 1998, before me, a Notary Public in and for the County and State aforesaid, appeared **April D. McMillan**, 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 given above.

Patricia H. Miller
Notary Public
Commission expires 4-20-99

SEAL