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OMB No. 0651-0011 (exp. 4/94) 7-12-99



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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Erik (NMN) Lier, Daniel Sanford Purdy,  
Jeffrey Michael Ashe, Anthony Wykeham  
Jacomb-Hood, Vladimir Volman

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

2. Name and address of receiving party(ies)

Name: Lockheed Martin Corporation

Internal Address: Attn: Patent Counsel

3rd Floor - Bldg. 28

Street Address: 680 American Avenue

City: King of Prussia State: PA ZIP: 19406

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: 7/1/99; 7/8/99

4. Application number(s) or patent number(s):

80PC3571, "Near-Field Calibration System for Phased Array Antennas"  
If this document is being filed together with a new application, the execution date of the application is: 7/1/99;7/8/99

A. Patent Application No.(s)

09 352508

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: W. H. Meise

Internal Address: Lockheed Martin Corporation

314B - Bldg. 28

P. O. Box 8048

Street Address:

City: Philadelphia State: PA ZIP: 19101

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 800.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

13-1955

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

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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.

William H. Meise

Name of Person Signing

*William H. Meise*

Signature

July 12, 1999

Date

Total number of pages including cover sheet, attachments, and document: 5

## ASSIGNMENT

WHEREAS, I the below-named inventor whose residence and post office are as stated below, have invented certain new and useful improvements in "**Near-Field Calibration System for Phased Array Antennas**"; and

WHEREAS, LOCKHEED MARTIN CORPORATION, a corporation of the State of Maryland, having an office at 680 American Avenue, King of Prussia, PA 19406, hereinafter called the ASSIGNEE, is desirous of acquiring the entire right, title and interest in the application and the invention and to any Letters Patent that may be granted therefor in the United States of America and in any and all countries foreign thereto;

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I 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 countries foreign thereto, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefor on the invention.

I 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 said ASSIGNEE.


Further, I 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, 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 countries foreign thereto.

I 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 me, my heirs, legal representatives and assigns.


Name of first Inventor: Erik (NMN) Lier

Residence: 130 Twining Bridge Road, Newtown, Bucks County, PA

Post Office Address: 130 Twining Bridge Road, Newtown, PA 18940

Date: 7/1/99 Signature: 

1st Witness Bernard F Lindinger  
(Type or Print)

  
(Signature)

2nd Witness \_\_\_\_\_  
(Type or Print)

\_\_\_\_\_  
(Signature)


Name of second Inventor: Daniel Sanford Purdy

Residence: 314 Leedom Way, Newtown, Bucks County, PA


Post Office Address: 314 Leedom Way, Newtown, PA 18940

Date: 7/1/1999 Signature: 

1st Witness Bernard F Lindinger  
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2nd Witness KANTI N. PATEL  
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Name of third Inventor: Jeffrey Michael Ashe

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Date: 7/8/99

Signature: *Jeffrey Michael Ashe*

1st Witness Aaron M. Dentinger  
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*Aaron M. Dentinger*  
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2nd Witness Khalil J. Maalonf  
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Name of fourth Inventor: Anthony Wykeham Jacomb-Hood

Residence: 876 Henry Drive, Yardley, Bucks County, PA

Post Office Address: 876 Henry Drive, Yardley, PA 19067

Date: 7/1/99

Signature: *Anthony Wykeham Jacomb-Hood*

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*Bernard F Ludwig*  
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2nd Witness KANTI N PATEL  
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*Kanti N Patel*  
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Name of fifth Inventor: Vladimir Volman

Residence: 11 Caldwell Circle, Newtown, Bucks County, PA

Post Office Address: 11 Caldwell Circle, Newtown, PA 18940

Date: 07/01/99 Signature: Vladimir Volman

1st Witness Bernard F. Handberg  
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Bernard F. Handberg  
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2nd Witness KANTI N. PATEL  
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KANTI N. PATEL  
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After this Assignment has been recorded please return to: Patent Operation  
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