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Form PTO-1595 (Rev. 03/01)

U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

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Tab settings

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

1. Name of conveying party(ies):

Vladimir (NMN) Volman

10/05/01

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

2. Name and address of receiving party(ies)

Name: Lockheed Martin Corporation

Internal Address: Attention: Patent Counsel

Street Address: 6801 Rockledge Drive

City: Bethesda State: MD Zip: 20817

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: 10/4/01

4. Application number(s) or patent number(s): 80PC3613, "Dual-Band Electromagnetic Coupler"

If this document is being filed together with a new application, the execution date of the application is: 10/4/01

A. Patent Application No.(s)

B. Patent No.(s)

09/97/428

Additional numbers attached? Yes No

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

Name: Lockheed Martin Global Telecommunications

Internal Address: Rm. 268 - 2nd Floor

Street Address: 1001 Adams Avenue

City: Norristown State: PA Zip: 19403

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

07-0882

(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

Oct 5, 2001

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

10/05/01

ASSIGNMENT

WHEREAS, I the below-named inventor whose residence and post office are as stated below, have invented certain new and useful improvements in "**Dual-Band Electromagnetic Coupler**", and

WHEREAS, LOCKHEED MARTIN CORPORATION, a corporation of the State of Maryland, having an office at 6801 Rockledge Drive, Bethesda, MD 20817, 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: Vladimir (NMN) Volman

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

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

Date: 09/10/01 Signature: Vladimir Volman

1st Witness Donna M Dunn Donna M. Dunn
(Type or Print) (Signature)

2nd Witness Erik Lier Erik Lier
(Type or Print) (Signature)

After this Assignment has been recorded please return to:

Patent Operation
Lockheed Martin Global Telecommunications
268 - 2nd Floor
1001 Adams Avenue
Norristown, PA 19403