

# PATENT ASSIGNMENT

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| <b>SUBMISSION TYPE:</b>                                                                                                                       | NEW ASSIGNMENT                   |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                  | ASSIGNMENT                       |
| <b>CONVEYING PARTY DATA</b>                                                                                                                   |                                  |
| <b>Name</b>                                                                                                                                   | <b>Execution Date</b>            |
| Vladimir Volman                                                                                                                               | 09/08/2010                       |
| John B. Stetson                                                                                                                               | 09/08/2010                       |
| <b>RECEIVING PARTY DATA</b>                                                                                                                   |                                  |
| <b>Name:</b>                                                                                                                                  | Lockheed Martin Corporation      |
| <b>Street Address:</b>                                                                                                                        | 6801 Rockledge Drive             |
| <b>City:</b>                                                                                                                                  | Bethesda                         |
| <b>State/Country:</b>                                                                                                                         | MARYLAND                         |
| <b>Postal Code:</b>                                                                                                                           | 20817                            |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                              |                                  |
| <b>Property Type</b>                                                                                                                          | <b>Number</b>                    |
| <b>Application Number:</b>                                                                                                                    | 12879509                         |
| <b>CORRESPONDENCE DATA</b>                                                                                                                    |                                  |
| <b>Fax Number:</b>                                                                                                                            | (609)631-2401                    |
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| <b>Correspondent Name:</b>                                                                                                                    | DUANE MORRIS LLP - Princeton     |
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| <b>Address Line 4:</b>                                                                                                                        | PRINCETON, NEW JERSEY 08543-5203 |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                | GE-07537/N0650-01005             |
| <b>NAME OF SUBMITTER:</b>                                                                                                                     | Paul A. Schwarz                  |
| <b>Total Attachments: 3</b><br>source=GE07537Assignment#page1.tif<br>source=GE07537Assignment#page2.tif<br>source=GE07537Assignment#page3.tif |                                  |

CH \$40.00 12879509

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**PATENT**  
**REEL: 024970 FRAME: 0207**

ASSIGNMENT

WHEREAS, We, Vladimir Volman and John B. Stetson (hereinafter referred to as ASSIGNORS) have invented certain inventions or improvements relating to SUPER-ANGULAR AND RANGE-RESOLUTION WITH PHASED ARRAY ANTENNA AND MULTIFREQUENCY DITHER for which United States Provisional Application No. 61/242,125 was filed on September 14, 2009 and for which a United States non-provisional application is being filed concurrently herewith, and,

WHEREAS, Lockheed Martin Corporation, a corporation organized under the laws of the State of Maryland, having a place of business at 6801 Rockledge Drive, Bethesda, Maryland 20817 (hereinafter referred to as ASSIGNEE) is desirous of acquiring the entire right, title and interest in, to and under said inventions or improvements said application and any and all patents to be obtained therefor or granted as a result thereof;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE of valuable consideration to ASSIGNORS, the receipt and adequacy of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS hereby sell, assign, and transfer to ASSIGNEE and the successors, assigns and legal representatives of the ASSIGNEE all of ASSIGNORS' rights, title and interest in, to, and under said inventions or improvements and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and all of ASSIGNORS' rights, title and interest in, to, and under any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries, and in, to, and under any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions, renewals, and reexaminations thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

ASSIGNORS request that any and all patents for said inventions or improvements be issued to said ASSIGNEE, its successors, assigns and legal representatives, or to such nominees as it may designate.

ASSIGNORS authorize and empower the said ASSIGNEE, its successors, assigns and legal representatives to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from ASSIGNORS.

ASSIGNORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said ASSIGNEE, its successors, assigns, and legal representatives, to claim the aforesaid benefit of

the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

ASSIGNORS agree that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said ASSIGNEE, its successors, assigns and legal representatives, the ASSIGNORS will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions, renewals, and reexamination thereof and any legal equivalent thereof in a foreign country, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings and any legal equivalent thereof in a foreign country; communicate to said ASSIGNEE, its successors, assigns, and legal representatives, all facts known to the ASSIGNORS relating to said inventions and the history thereof; and generally do everything possible which said ASSIGNEE, its successors, assigns or legal representatives, shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents on said inventions in said ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNORS covenant with said ASSIGNEE, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that ASSIGNORS have full right to convey the same as herein expressed.

Signed at Mount Laurel, NJ  
(City, Province or state, country)

Vladimir Volman 09/08/10  
Vladimir Volman (Date)

WITNESS:

Michael T. Powers  
(Please Print Name)

Michael T. Powers  
(Signature)

9/8/2010  
(Date)

WITNESS:

Coleen Gilsenan  
(Please Print Name)

Coleen Gilsenan  
(Signature)

9-8-10  
(Date)

John B. Stetson  
John B. Stetson

9/8/2010  
(Date)

WITNESS:

Michael T. Powers  
(Please Print Name)

Michael T. Powers  
(Signature)

9/8/2010  
(Date)

WITNESS:

Coleen Gilsenan  
(Please Print Name)

Coleen Gilsenan  
(Signature)

9-8-10  
(Date)