

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|--|-----------------------------|---------------|-----------------------------|---------------------|----------------------|--------------|------------|---------------------|------------|------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Stanley M. Granat</td> <td>01/13/2011</td> </tr> <tr> <td>Fred Whitney</td> <td>01/18/2011</td> </tr> <tr> <td>Jorge-Luis B. Romeu</td> <td>01/17/2011</td> </tr> <tr> <td>Russell S. Trask</td> <td>01/18/2011</td> </tr> </tbody> </table> | | Name | Execution Date | Stanley M. Granat | 01/13/2011 | Fred Whitney | 01/18/2011 | Jorge-Luis B. Romeu | 01/17/2011 | Russell S. Trask | 01/18/2011 |
| Name | Execution Date | | | | | | | | | | |
| Stanley M. Granat | 01/13/2011 | | | | | | | | | | |
| Fred Whitney | 01/18/2011 | | | | | | | | | | |
| Jorge-Luis B. Romeu | 01/17/2011 | | | | | | | | | | |
| Russell S. Trask | 01/18/2011 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Lockheed Martin Corporation</td> </tr> <tr> <td>Street Address:</td> <td>6801 Rockledge Drive</td> </tr> <tr> <td>City:</td> <td>Bethesda</td> </tr> <tr> <td>State/Country:</td> <td>MARYLAND</td> </tr> <tr> <td>Postal Code:</td> <td>20817</td> </tr> </table> | | Name: | Lockheed Martin Corporation | Street Address: | 6801 Rockledge Drive | City: | Bethesda | State/Country: | MARYLAND | Postal Code: | 20817 |
| Name: | Lockheed Martin Corporation | | | | | | | | | | |
| Street Address: | 6801 Rockledge Drive | | | | | | | | | | |
| City: | Bethesda | | | | | | | | | | |
| State/Country: | MARYLAND | | | | | | | | | | |
| Postal Code: | 20817 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13010518</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13010518 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13010518 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number: (215)542-5825</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 215-542-5824</p> <p>Email: hcollins@phd-ip.com</p> <p>Correspondent Name: Helen C. Collins</p> <p>Address Line 1: Howard IP Law Group, PC</p> <p>Address Line 2: PO Box 226</p> <p>Address Line 4: Fort Washington, PENNSYLVANIA 19034</p> | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | OR-07971-US | | | | | | | | | | |
| NAME OF SUBMITTER: | Helen C. Collins | | | | | | | | | | |
| Total Attachments: 5 | | | | | | | | | | | |

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PATENT
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DOCKET NO. OR-07971-US

ASSIGNMENT

WHEREAS, I/we, Stanley M. Granat, Fred Whitney, Jorge-Luis B. Romeu and Russell S. Trask (hereinafter referred to as ASSIGNOR(S) have invented certain inventions relating to

**METHOD AND MEANS TO COMBINE PULSE WIDTH MODULATION LEVEL
CONTROL, FULL RESONANCE AND ZERO VOLTAGE SWITCHING FOR
SWITCHED MODE POWER SUPPLIES**

which a United States Application was filed

☒ herewith under the above-identified docket number.

☐ on, and assigned U.S. application serial no.

WHEREAS, Lockheed Martin Corporation (hereinafter referred to as ASSIGNEE) is desirous of acquiring the entire interest in, to and under said inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE of valuable consideration to ASSIGNOR, the receipt and adequacy of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR(S) hereby sell, assign, and transfer to ASSIGNEE and the successors, assigns and legal representatives of the ASSIGNEE all of ASSIGNOR'S right, title and interest in and to said inventions 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 ASSIGNOR'S right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries, and in and to 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;

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

ASSIGNOR(S) 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

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convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from ASSIGNOR(S).

ASSIGNOR(S) hereby consents 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.

ASSIGNOR(S) 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 ASSIGNOR(S) 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 ASSIGNOR(S) 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.

ASSIGNOR(S) 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 ASSIGNOR(S) have full right to convey the same as herein expressed.

Signed at Liverpool, N.Y., U.S.A.
(City, Province or state, country)

Stanley M. Granat
Stanley M. Granat

13 JAN 2011
(Date)

WITNESS:

(Please Print Name)

(Signature)

(Date)

DOCKET NO. OR-07971-US

Signed at Liverpool, NY 13081
(City, Province or state, country)

Fred Whitney
Fred Whitney

1/18/11
(Date)

WITNESS:

Molly E Corley
(Please Print Name)

Molly E Corley
(Signature)

1/18/11
(Date)

Signed at _____
(City, Province or state, country)

Jorge-Luis B. Romeu

(Date)

WITNESS:

(Please Print Name)

(Signature)

(Date)

Signed at _____
(City, Province or state, country)

Russell S. Trask

(Date)

WITNESS:

(Please Print Name)

(Signature)

(Date)

DOCKET NO. OR-07971-US

Signed at _____
(City, Province or state, country)

Fred Whitney

(Date)

WITNESS:

(Please Print Name)

(Signature)

(Date)

Signed at _____
(City, Province or state, country)


Jorge-Luis B. Romeu17 Jan 2011
(Date)**WITNESS:**

(Please Print Name)

(Signature)

(Date)

Signed at _____
(City, Province or state, country)

Russell S. Trask

(Date)

WITNESS:

(Please Print Name)

(Signature)

(Date)

DOCKET NO. OR-07971-US

Signed at _____
(City, Province or state, country)

Fred Whitney

(Date)

WITNESS:

(Please Print Name)

(Signature)

(Date)

Signed at _____
(City, Province or state, country)

Jorge-Luis B. Romeu

(Date)

WITNESS:

(Please Print Name)

(Signature)

(Date)

Signed at Syracuse, NY USA
(City, Province or state, country)



Russell S. Trask

1/18/2011

(Date)

WITNESS:

Molly E Corley

(Please Print Name)

Molly E Corley

(Signature)

1/18/11

(Date)