

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Benjamin BALBIR</td> <td>02/22/2013</td> </tr> <tr> <td>Richard J. HANDWERG</td> <td>02/22/2013</td> </tr> <tr> <td>Tejbir ARORA</td> <td>02/28/2013</td> </tr> <tr> <td>Richard P. CLARK</td> <td>02/25/2013</td> </tr> </tbody> </table>		Name	Execution Date	Benjamin BALBIR	02/22/2013	Richard J. HANDWERG	02/22/2013	Tejbir ARORA	02/28/2013	Richard P. CLARK	02/25/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>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
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13773459</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13773459						
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CORRESPONDENCE DATA											
Fax Number: 9526972631 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 952.697.2630 Email: mmiller@billionarmitage.com Correspondent Name: Richard E. Billion Address Line 1: 7401 Metro Blvd. Address Line 2: Suite 425 Address Line 4: Minneapolis, MINNESOTA 55439											
ATTORNEY DOCKET NUMBER:	1125-024										
NAME OF SUBMITTER:	Richard E. Billion										
Total Attachments: 18											

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ASSIGNMENT

WHEREAS, WE,

- Benjamin BALBIR, residing at 8 Harrod Court, Reisterstown, MD 21136, USA, and a citizen of the USA; and
- Richard J. HANDWERG, residing at 14878 19th St. North, Loxahatchee, FL 33470, USA, and a citizen of the USA; and
- Tjbir ARORA, residing at 1344 Sweetbriar Lane, Bel Air, MD 21014, USA, and a citizen of the USA; and
- Richard P. CLARK, residing at 314 Ennis Lane, Jupiter, FL 33458, USA, and a citizen of the USA;

have made certain new and useful inventions and improvements for which we filed an Application for Letters Patent of the United States entitled **YAW DRIVE TIDAL TURBINE SYSTEM AND METHOD**, which

- ☐ is the national stage application of International Application No. _____ filed on _____;
- ☐ will be filed without this executed PATENT ASSIGNMENT. THE UNDERSIGNED hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Billion & Armitage, who are associated with customer number _____, to insert here in parenthesis (U.S. Serial No. _____, filed _____) this application's U.S. Serial Number and filing date, when known;
- ☒ was filed on 21 February 2013 and was given U.S. Serial No. 13/773,459; or
- ☐ is filed concurrently herewith;

AND WHEREAS, Lockheed Martin Corporation, a corporation organized and existing under and by virtue of the laws of the State of Maryland and having an office and place of business at 6801 Rockledge Drive, Bethesda, MD 20817, USA (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereon is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any

foreign rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

We further authorize the Assignee or their legal representative to insert the serial number and filing date into this instrument once the U.S. Patent and Trademark Office has assigned this information to the application.

AND, for the consideration aforesaid, we do hereby agree that we and our respective executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts and proceedings and generally do all things which may be necessary or desirable more effectually to secure and to vest in said Assignee, its successors or assigns, the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the right and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 22 day of
FEBRUARY 2013.

B. Balbir
Benjamin BALBIR

STATE OF Maryland)
) ss.
COUNTY OF Baltimore)

On this 22nd day of February, 2013, before me personally appeared
Benjamin BALBIR, personally known to me or proved to me on the basis of satisfactory
evidence to be the person whose name is subscribed to the within instrument, and
acknowledged to me that he/she executed the same of his/her authorized capacity, and that by
his/her signature on the instrument, the person, or the entity upon behalf of which the person
acted, executed the instrument.

WITNESS my hand and official seal:

Angela Marie Laisure
Notary Public

[SEAL]



My Commission expires:

Feb 18, 2017

ASSIGNMENT

WHEREAS, WE,

- Benjamin BALBIR, residing at 8 Harrod Court, Reisterstown, MD 21136, USA, and a citizen of the USA; and
- Richard J. HANDWERG, residing at 14878 19th St. North, Loxahatchee, FL 33470, USA, and a citizen of the USA; and
- Tjbir ARORA, residing at 1344 Sweetbriar Lane, Bel Air, MD 21014, USA, and a citizen of the USA; and
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NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereon is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any

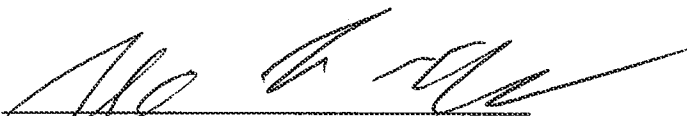
foreign rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

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AND, for the consideration aforesaid, we do hereby agree that we and our respective executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts and proceedings and generally do all things which may be necessary or desirable more effectually to secure and to vest in said Assignee, its successors or assigns, the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the right and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

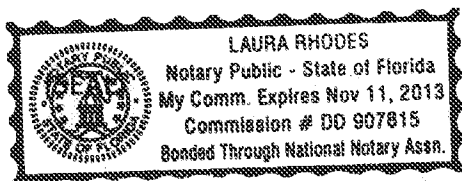
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 22 day of FEBRUARY, 2013.

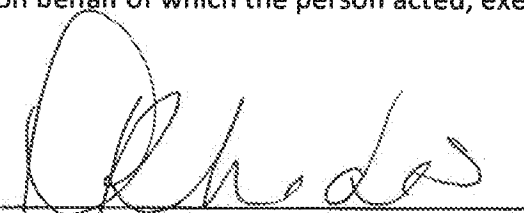

Richard J. HANDWERG

STATE OF Florida
COUNTY OF Palm Beach) ss.

On this 22 day of February 2013, before me personally appeared Richard J. HANDWERG, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same of his/her authorized capacity, and that by his/her signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal:




Notary Public

My Commission expires:

11/11/13

ASSIGNMENT

WHEREAS, WE,

- **Benjamin BALBIR**, residing at **8 Harrod Court, Reisterstown, MD 21136, USA**, and a citizen of the USA; and
- **Richard J. HANDWERG**, residing at **14878 19th St. North, Loxahatchee, FL 33470, USA**, and a citizen of the USA; and
- **Tejbir ARORA**, residing at **1344 Sweetbriar Lane, Bel Air, MD 21014, USA**, and a citizen of the USA; and
- **Richard P. CLARK**, residing at **314 Ennis Lane, Jupiter, FL 33458, USA**, and a citizen of the USA;

have made certain new and useful inventions and improvements for which we filed an Application for Letters Patent of the United States entitled **YAW DRIVE TIDAL TURBINE SYSTEM AND METHOD**, which

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AND WHEREAS, **Lockheed Martin Corporation**, a corporation organized and existing under and by virtue of the laws of the State of Maryland and having an office and place of business at **6801 Rockledge Drive, Bethesda, MD 20817, USA** (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereon is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any

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AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the right and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this ____ day of _____.

Benjamin BALBIR

STATE OF)
) ss.
COUNTY OF)

On this ____ day of _____, before me personally appeared **Benjamin BALBIR**, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same of his/her authorized capacity, and that by his/her signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal:

Notary Public

[SEAL]

My Commission expires:

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this ____ day of _____.

Richard J. HANDWERG

STATE OF)
) ss.
COUNTY OF)

On this ____ day of _____, before me personally appeared **Richard J. HANDWERG**, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same of his/her authorized capacity, and that by his/her signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal:

Notary Public

[SEAL]

My Commission expires:

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 28th day of February, 2013.

Tejbir Arora
Tejbir ARORA

STATE OF)
) ss.
COUNTY OF)

On this 28th day of February, 2013, before me personally appeared **Tejbir ARORA**, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same of his/her authorized capacity, and that by his/her signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal:

[SEAL]



Tracey M. Bauer
Notary Public

My Commission expires:

April 28, 2016

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this ____ day of _____.

Richard P. CLARK

STATE OF)
) ss.
COUNTY OF)

On this ____ day of _____, before me personally appeared **Richard P. CLARK**, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same of his/her authorized capacity, and that by his/her signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal:

Notary Public

[SEAL]

My Commission expires:

ASSIGNMENT

WHEREAS, WE,

- Benjamin BALBIR, residing at 8 Harrod Court, Reisterstown, MD 21136, USA, and a citizen of the USA; and
- Richard J. HANDWERG, residing at 14878 19th St. North, Loxahatchee, FL 33470, USA, and a citizen of the USA; and
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foreign rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

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AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the right and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this _____ day of

Richard J. HANDWERG

STATE OF)
) ss.
COUNTY OF)

On this ____ day of _____, before me personally appeared **Richard J. HANDWERG**, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same of his/her authorized capacity, and that by his/her signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal:

Notary Public

[SEAL]

My Commission expires:

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this ____ day of _____.

Benjamin BALBIR

STATE OF)
) ss.
COUNTY OF)

On this ____ day of _____, before me personally appeared **Benjamin BALBIR**, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same of his/her authorized capacity, and that by his/her signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal:

Notary Public

[SEAL]

My Commission expires:

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 25 day of February, 2013.

Richard P. Clark
Richard P. CLARK

STATE OF Florida
COUNTY OF Palm Beach) ss.

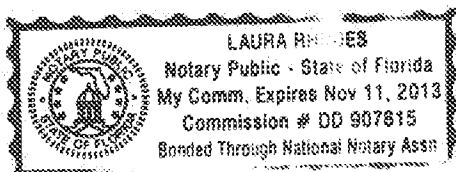
On this 25th day of February, 2013, before me personally appeared Richard P. CLARK, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same of his/her authorized capacity, and that by his/her signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal:

L. Rhodes
Notary Public

[SEAL]

My Commission expires:



Nov 11, 2013

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this _____ day of _____.

Tejbir ARORA

STATE OF _____)
) ss.
COUNTY OF _____)

On this _____ day of _____, before me personally appeared **Tejbir ARORA**, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same of his/her authorized capacity, and that by his/her signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal:

Notary Public

[SEAL]

My Commission expires:

