

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>H. Randall BELL</td> <td>02/22/2012</td> </tr> <tr> <td>Joan BIENVENUE</td> <td>03/21/2012</td> </tr> </tbody> </table>		Name	Execution Date	H. Randall BELL	02/22/2012	Joan BIENVENUE	03/21/2012				
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Joan BIENVENUE	03/21/2012										
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>13064091</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13064091						
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CORRESPONDENCE DATA											
<p>Fax Number: 7034122220</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (703) 413-3000</p> <p>Email: isamara@oblon.com</p> <p>Correspondent Name: Oblon, Spivak, et al.</p> <p>Address Line 1: 1940 Duke Street</p> <p>Address Line 4: Alexandria, VIRGINIA 22314</p>											
ATTORNEY DOCKET NUMBER:	410779US										
NAME OF SUBMITTER:	Ibrahim Samara										
Signature:	/Ibrahim Samara/										
Date:	04/18/2013										

OP \$40.00 13064091

Total Attachments: 6

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WORLDWIDE ASSIGNMENT

- (1-8) **Insert Names of Inventors**
- (1) H. Randall Bell (5) _____
- (2) Joan Bienvenue (6) _____
- (3) _____ (7) _____
- (4) _____ (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to

- (9) **Insert Name of Assignees** (9) Lockheed Martin Corporation
- (10) **Insert Address of Assignees** (10) 6801 ROCKLEDGE DRIVE, BETHESDA, MD 20817

(hereinafter designated as the Assignees) and Assignees' heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100 and all other countries, including Australia, Canada, Germany, France, United Arab Emirates, and United Kingdom: in the invention; in all applications for patent or similar rights on the invention, said applications including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue applications, including any applications filed in any country based thereon, and including the right to file foreign applications under the provisions of any treaty or convention; and in all grants, such as Letters Patent, certificates, utility models, confirmations, extensions, reissues and reexamination certificates that may be granted in the U.S. and in all other countries on the invention, known as

- (11) **Insert Identification, such as Title, Case Number or Foreign Application Number** (11) Optical Approach for Microfluidic DNA Electrophoresis Detection
- PCT Application No. PCT/US2010/026801
- Attorney Docket No. 141786.00.222
- for which the undersigned have executed an application for patent in the United States of America on even date herewith or
- (12) **Insert Date of Signing of Application** (12) on _____
- (13) **Alternative Identification for filed Applications** (13) U.S. Application Serial Number 13/064,091
- Attorney Docket No. 141786.01
- filed March 4, 2011

1) Each undersigned agrees to execute all papers necessary in connection with any application and/or grant for the invention and also to execute separate assignments in connection with such applications and grants as the Assignees may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or grant for the invention and to cooperate with the

Assignees in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm a valid grant to the Assignees in the United States and any other country in which the Assignees may file a patent applications.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office and other issuing authorities, including those of Australia, Canada, Germany, France, United Arab Emirates, and United Kingdom, to issue any and all grants resulting from said applications to the said Assignees, as Assignees of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of **OLIFF & BERRIDGE, PLC** the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of any issuing authority, including the United States Patent and Trademark Office, for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

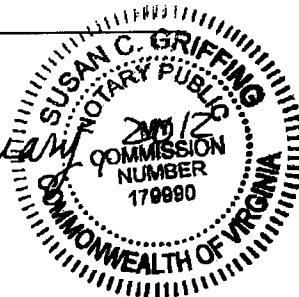
Date	<u>Feb 22, 2012</u>	Inventor Signature	<u>M. Randallee Bell</u>	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	_____	Witness	_____
Date	_____	Witness	_____

Commonwealth of Virginia
City of Alexandria
Subscribed to before me this 22nd day of February
My commission expires
Feb. 28, 2014
Notary Commission No. 179990

Susan C. Griffing
Notary Public



WORLDWIDE ASSIGNMENT

- (1-8) **Insert Names of Inventors**
- | | |
|----------------------------|-----------|
| (1) <u>H. Randall Bell</u> | (5) _____ |
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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>March 21, 2012</u>	Inventor Signature	<u>Joan M Bienvenue</u> (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
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Date	_____	Witness	_____
Date	_____	Witness	_____

City/County of Charlottesville
Commonwealth of Virginia
The foregoing instrument was acknowledged before me
this 21st day of March, 2012
by Joan Bienvenue
Heather J. Sanner Notary Public
My commission expires 12-31-14

