

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3090242

| | |
|---|--------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ANDREW JAMES SMITH | 06/05/2013 |
| MOHAMMED NAWAZ | 06/05/2013 |
| RECEIVING PARTY DATA | |
| Name: | BAE SYSTEMS PLC |
| Street Address: | 6 CARLTON GARDENS |
| City: | LONDON |
| State/Country: | UNITED KINGDOM |
| Postal Code: | SW1Y 5AD |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14398244 |
| CORRESPONDENCE DATA | |
| Fax Number: | (603)782-4378 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Phone: | 603-622-8456 |
| Email: | lunderhill@finchmaloney.com |
| Correspondent Name: | FINCH & MALONEY PLLC |
| Address Line 1: | GATEWAY ONE |
| Address Line 2: | 50 PHILLIPPE COTE STREET - SUITE 300 |
| Address Line 4: | MANCHESTER, NEW HAMPSHIRE 03101 |
| ATTORNEY DOCKET NUMBER: | BAE.XA4094US |
| NAME OF SUBMITTER: | NEIL F. MALONEY, REG. NO. 42, 833 |
| SIGNATURE: | /Neil F. Maloney/ |
| DATE SIGNED: | 10/31/2014 |
| Total Attachments: 2 | |
| source=BAE_XA4094US_Assignment#page1.tif | |
| source=BAE_XA4094US_Assignment#page2.tif | |

**COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN
APPLICATION AND ASSIGNMENT**

As a below named inventor, I hereby declare that:

This declaration the attached application, or
is directed to:

United States application or PCT international application number
__PCT/GB2013/051113__ filed on __30 April 2013__; and
entitled: __CONTROLLING BIAS VOLTAGES FOR OPTICAL MODULATORS__.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the
application.

I hereby state that I have reviewed and understand the contents of the above-identified application,
including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information
known to me to be material to patentability as defined in 37 CFR 1.56.

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements and
discoveries (herein referred to as the "Invention") disclosed in the above-identified patent
application;

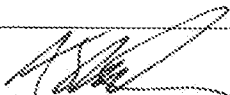
Whereas, __BAE SYSTEMS plc__ a corporation of __England and Wales__, having a place of
business at __6 Carlton Gardens, London, SW1Y 5AD, United Kingdom__, desires to acquire,
and each undersigned inventor desires to grant to __BAE SYSTEMS plc__, the entire worldwide
right, title and interest in and to any and all patent applications and patents directed thereto;

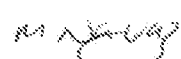
Now, therefore, in consideration of One Dollar (\$1.00), and other good and valuable
considerations, the receipt of which is hereby acknowledged, each undersigned inventor
("ASSIGNOR") hereby sells, assigns and transfers to __BAE SYSTEMS plc__ (the
"ASSIGNEE"), its successors, assigns and legal representatives, the entire right, title and interest
for all countries, in and to the Invention, the above-identified United States patent application,
and any and all other patent applications and patents for the Invention which may be applied for
or granted therefor in the United States and in all foreign countries and jurisdictions, including
all divisional, continuing, substitute, reexamination, renewal, reissue and extensions thereof, and
all rights of priority resulting from the filing of such applications and granting of such patents.
In addition, each undersigned inventor hereby authorizes and requests the Commissioner of
Patents to issue, in accordance with this assignment, any and all United States Letters Patent, and
foreign patent authorities to issue any foreign patent, granted for the Invention to said Assignee,

the corporation above named, its successors, assigns and legal representatives; and agreeing to carry out in good faith the intent and purpose of this assignment, the undersigned will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee its successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

| | |
|--------------------------------------|--|
| Legal name of sole or first inventor | Andrew James SMITH |
| Sole or first inventor's signature |  Date 5/6/13 |

| | |
|-------------------------------|--|
| Legal name of second inventor | Mohammed NAWAZ |
| Second inventor's signature |  Date 5/6/13 |