PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
|-----------------------|--|
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the name of the assignee and the execution date of the first inventor previously recorded on Reel 028629 Frame 0817. Assignor(s) hereby confirms the name of the assignee is The Secretary of State for Defence and the execution date of the first inventor is 05/14/1992. |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| Leigh Trevor Canham | 05/14/1992 |
| John Michael Keen | 05/14/1992 |
| Weng Lee Leong | 05/14/1992 |

RECEIVING PARTY DATA

| Name: | The Secretary of State for Defence | |
|-----------------|------------------------------------|--|
| Street Address: | Whitehall | |
| City: | London | |
| State/Country: | UNITED KINGDOM | |
| Postal Code: | SW1A 2HB | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|----------------|---------|
| Patent Number: | 5627382 |

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ATTORNEY DOCKET NUMBER: 6657-54800

NAME OF SUBMITTER: Dean M. Munyon

REEL: 029505 FRAME: 0843

PATENT

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| Total Attachments: 5 | | |
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PATENT REEL: 029505 FRAME: 0844

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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SUBMISSION TYPE:

CORRECTIVE ASSIGNMENT

NATURE OF CONVEYANCE:

Corrective Assignment to correct the assignment document previously recorded at Reel 027683 Frame 0374.

Assignor hereby confirms the assignment.

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|-------------------------------|
| Leigh Trevor Canham | 05/14/ 1995 992_ |
| John Michael Keen | 05/14/1992 |
| Weng Lee Leong | 05/14/1992 |

RECEIVING PARTY DATA

| Name: | THE SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN-IRELAND |
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| City: | London |
| State/Country: | UNITED KINGDOM |
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PROPERTY NUMBERS Total: 1

| Property Type Number | | Number |
|----------------------|----------------|---------|
| | Patent Number: | 5627382 |

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PATENT REEL: 029505 FRAME: 0845 562738

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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
|-----------------------|---|
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the assignment document previously recorded at Reel 027683 Frame 0374. Assignor hereby confirms the assignment. |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| Leigh Trevor Canham | 05/14/1995 |
| John Michael Keen | 05/14/1992 |
| Wang Lee Leong | 05/14/1992 |

RECEIVING PARTY DATA

| Name: | THE SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND |
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| Street Address: | Whitehall |
| City: | London |
| State/Country: | UNITED KINGDOM |
| Postal Code: | SW1A 2HB |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|----------------|---------|
| Patent Number: | 5627382 |

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PATENT

REEL: 029505 FRAME: 0846

| | and the | | |
|-------|--|---|--|
| | and the second | (I) Leigh Trevor CANHAM | |
| 1 | () A & | (2) John Michael KEEN | |
| | (Inventora) | (3) Weng Yee LEONG | *** |
| • | (Aunignoe) | in consideration of past employment, and other good and valuable consideration undersigned, the sefficiency of which is acknowledged, the undersigned agree(s) to semign, transfer and set ever to the SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJE OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN TREE. Corporation Sole Whitehall, London SW1A 2HB | assign, and lietaby does |
| | | (hereinafter designated as the Assignee) the entire right, title and interest for the territories, dependencies and possessions, and for the country of | ne United States, Its |
| | (Other Countries) | (6)in the invention, and all applications for patent and any granted therefor, known as | Gettern Patent which may be |
| | (TILIe) = | (1) METHOD OF MAKING SILICON QUANTUM WIRES | (Case No. |
| | | for which the undersigned has there) executed on even date herewith an application to of America or, if not on even date, then has executed | |
| | | 181XXXX PCT/GB90/01901 filed December 6, 1990 US Patent 5,348,618 | or has already filed |
| | | (9) V.S. appin. Secial Number, filed on | |
| | : | (10) The undersigned acknowledger am obligation of assignment of this invention to safewention was made. | |
| S UAM | interface of the connection and connection and consecutive and consecutive and connection and co | undersigned agree(s) to perform all effirmative acts which may be necessary to obtain the Assignce. Undersigned hereby authorize(s) and request(s) the Commissioner of Patents to Issue a less resulting from said application or any division or divisions or continuing applications of the entire interest, and hereby convenants that he has (they have) full assigned, and that he has (they have) not executed and will not execute, any agreement and signed hereby grant(s) the firm of MIXUM & VAMMERHY P.P. the power to insert or which may be necessary to desirable in order to comply with the rules of the Unit | o execute reparate assigner of perform any act which may not of industrial Property in a grant of a valid Unamy and all letters Calent Ications thereof to the striph. To convey the entit in conflict herewith, within assignment any furt |
| | | whereof, executed by the undersigned on the date(s) opposite the undersigned signature | n(x). |
| | | 502 Signature of Inventor (1) Light Treepr Carpers. | and the same of th |
| Da | its 14 May 1 | 502 Signature of Inventor (2) | with the same of t |
| | Witnessed b | | |
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PATENT REEL: 029505 FRAME: 0847

RECORDED: 12/19/2012