PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| Gilles Melin | 12/07/2010 |
| Simon Lempereur | 12/06/2010 |
| Anne Fleureau | 12/07/2010 |
| Vincent Couderc | 12/13/2010 |
| Philippe Leproux | 12/16/2010 |
| Alexandre Kudlinski | 01/03/2011 |

RECEIVING PARTY DATA

| Name: | Draka Comteq B.V. |
|-----------------|-------------------|
| Street Address: | De Boelelaan 7 |
| City: | Amsterdam |
| State/Country: | NETHERLANDS |
| Postal Code: | 1083 HJ |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12855116 |

CORRESPONDENCE DATA

(704)375-0729 Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

704-375-9249 Phone:

Email: patbox@adamspat.com Correspondent Name: Oliff & Berridge, PLC Address Line 1: Suite 2350 Charlotte Plaza Address Line 2: 201 South College Street

Address Line 4: CHARLOTTE, NORTH CAROLINA 28244

ATTORNEY DOCKET NUMBER: 3841/15US

PATENT

REEL: 025688 FRAME: 0607

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| NAME OF SUBMITTER: | Jeffrey S. Bernard |
|----------------------------|--------------------|
| Total Attachments: 8 | |
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PATENT REEL: 025688 FRAME: 0608

ASSIGNMENT

We, Gilles Melin, a French citizen and residing at 43, Rue Charles de Gaulle, Orsay, 91400, France, and Simon Lempereur, a French citizen and residing at 19, rue Georges Le Bigot, Villejuif, 94800, France, and Anne Fleureau, a French citizen and residing at 24, rue des Fours, Grez sur Loing, 77880, France, and Vincent Couderc, a French citizen and residing at 15 rue du haut Felix, Verneuil sur Vienne, 87430, France, and Philippe Leproux, a French citizen and residing at 12 place de l'église, Saint Pardoux, 87250, France, and Alexandre Kudlinski, a French citizen and residing at 1, rue du millénaire, Salomé, 59496, France, in consideration of the sum of \$1.00 (One Dollar), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby sell, assign and transfer unto Draka Comteq B.V., a corporation organized under the laws of The Netherlands, and having an office at De Boelelaan 7, Amsterdam 1083 HJ, The Netherlands, ("ASSIGNEE"), the entire right, title and interest, together with all rights of priority, in and to our invention for certain improvements in A MICROSTRUCTURED OPTICAL FIBER AND A DEVICE FOR GENERATING BROADBAND WHITE LIGHT, as described in the Application Serial No. 12/855,116, filed in the United States Patent and Trademark Office on the 28th day of July, 2010 preparatory to obtaining Letters Patent of the United States therefor and as described and/or claimed in any and all applications for Letters Patent based thereon including divisions, continuations and reissues thereof as well as all foreign counterparts thereof together with all Letters Patent issuing on any of the aforesaid applications for Letters Patent, the same to be held and enjoyed by ASSIGNEE, its successors, assigns or other

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PATENT REEL: 025688 FRAME: 0609 legal representatives, to the full ends of the terms of all said Letters Patent therefor which

may be granted.

AND WE HEREBY AUTHORIZE ASSIGNEE to make applications for and to receive

Letters Patent for said invention in any foreign countries in its own name, or in our names,

at its election.

AND WE HEREBY COVENANT AND AGREE that we will execute or procure any

further necessary assurance of title to said invention and any Letters Patent which may

issue therefor and that we will, at any time, upon the request and at the expense of

ASSIGNEE deliver any testimony in any legal proceedings and execute all papers that may

be necessary or desirable to perfect the title to said invention or any Letters Patent which

may be granted therefor in ASSIGNEE, its successors, assigns, or other legal

representatives, and that we will, at any time, upon the request and at the expense of

ASSIGNEE execute any continuations, divisions, reissues, or any other additional

applications for Letters Patent for said invention or any part or parts thereof, all of which

applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE,

and will make all rightful oaths, and do all lawful acts requisite for procuring the same

therein, without further compensation, but at the expense of ASSIGNEE, its successors,

assigns or other legal representatives.

AND WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and

Trademarks to issue any and all Letters Patent of the United States for said invention,

resulting from any of the aforesaid applications to said Draka Comteq B.V., as sole

ASSIGNEE.

WITNESS OUR hand and seal on the day listed below:

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PATENT REEL: 025688 FRAME: 0610

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Date

Gilles Melin

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| nally known to us, duly sign and execute this |
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| Witness 1 Signature Machan Bigot-Astruc Witness 1 Printed Name |
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| le | 06/12/2010 | 111- |
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| Date | | Simon Lempereur |

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| STATE OF | <u></u> |
| COUNTY OF | _ |
| l, | , a Notary Public for said County and |
| State do hereby certify that Simon Lem | pereur appeared before me personally and signed |
| the aforementioned Assignment. | •• |
| This the day of | , 20 |
| | Notary Public |
| My Commission Expires | |
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| Date | |
| | 15000 100 |
| We, Daciona Brigot-A | are that we were personally present and did see the |
| signatory, Simon Lempereur who is p | personally known to us, duly sign and execute this |
| Assignment. | ۸ |
| 06 Dec-10 | Mhyst |
| Date | Witness 1 Signature |
| | Mitness 1 Printed Name |
| | Witness 1 Printed Name |
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| | Witness 1 Printed Name |

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| Date | 07 | 118 | 12010 |) |

Anne Fleureau



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| STATE OF | |
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| I,State do hereby certify that <u>Anne Fleureau ap</u> | , a Notary Public for said County and |
| State do hereby certify that Anne Fleureau ap | peared before me personally and signed the |
| aforementioned Assignment. | • |
| This the day of | , 20 |
| | Al-A Dable |
| AA O construction Francisco | Notary Public |
| My Commission Expires | _ |
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| Date | |
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| We, <u>Nactions Bright Astro</u> the undersigned witnesses hereby declare tha | cand Daid BOIVIN, |
| the undersigned witnesses hereby declare that | at we were personally present and did see the |
| signatory, Anne Fleureau who is personall | y known to us, duly sign and execute this |
| Assignment. | |
| _ | 40 + |
| 06 Dec-10 | Who led |
| 06 Dec - 10 | Witness 1 Signature |
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| | Witness 1 Printed Name |
| | Witness 1 Printed Name |
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| <u>06-Dec-10</u> | |
| Date | Witness 1 Signature |
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| | Althora 4 Distant Name |
| | Witness 1 Printed Name |

| 13/12/2010 | |
|------------|-----------------|
| Date | Vincent Couderc |

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| I, | , a Notary Public for said County and rc appeared before me personally and signed |
| This the day of | , 20 |
| | Notary Public |
| My Commission ExpiresSEAL | |
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| Date | |
| WE MARKA ANDO E AND | and ALEXIS LABRUTERE |
| the undersigned witnesses hereby declare t signatory, Vincent Couderc who is perso Assignment. | and ALEXIS LABRUTERE, hat we were personally present and did see the enally known to us, duly sign and execute this |
| <u> </u> | Mawket |
| Date ' | Witness 1 Signature |
| | MARCO ANDIZEANA Witness 1, Printed Name |
| 12/11/12:10 | |
| 13/12/2010 Date | Witness Signature |
| | ALEXIS LABRUYERE Witness 1 Printed Name |
| | |

| 16 | 12 | 12010 | |
|------|----|-------|--|
| Date | | | |



| STATE OF | |
|---|--|
| I, | |
| | Notary Public |
| My Commission ExpiresSEAL | _ |
| | |
| Date | |
| We, <u>MARCO ANDREANA</u> the undersigned witnesses hereby declare the signatory, Philippe Leprou x who is persone | and ALEXIS LABRUYERE, at we were personally present and did see the ally known to us, duly sign and execute this |
| Assignment. | Torred W |
| 16 12 2010 Date | Witness 1 Signature |
| | MARCO ANDREANA |
| | Witness 1 Printed Name |
| 16 12 2010 Date | A |
| Date | Witness 1 Signature |
| | ALEXIS LABRUYERE |
| | Witness 1 Printed Name |

| 03(01/2011 | |
|------------|---------------------|
| Date | Alexandre Kudlinski |

| STATE OFCOUNTY OF | _ |
|--|--|
| COUNTY OF | _ |
| l, | , a Notary Public for said County and |
| State do hereby certify that Alexandre | Kudlinski appeared before me personally and |
| signed the aforementioned Assignment. | • |
| This the day of | , 20 |
| | Notary Public |
| My Commission Expires | |
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| Date | |
| We, | and, |
| the undersigned witnesses hereby declar | re that we were personally present and did see the |
| signatory, Alexandre Kudlinski who is p | personally known to us, duly sign and execute this |
| Assignment. | |
| 03/01/201) | - 5 |
| Date | -Witness 1 Signature |
| | LAURENT BIGOT |
| | Witness 1 Printed Name |
| 03/01/2011 | |
| <u>03/01 / 2011</u> Date | Witness 1 Signature |
| | Gilbert Martinelli |
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