

10-04-2002

FORM PTO-1595 (Rev. 6-93)

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

OMB No. 0651-0011 (exp. 4/94)

OFFICE OF PATENT AND TRADEMARKS



Attorney Docket No. 118.007US01

2002 OCT 1

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Phillip St. John Russell (June 13, 2002) Timothy Adam Birks (June 13, 2002) Jonathan Cave Knight (June 20, 2002) Brian Joseph Mangan (June 17, 2002)

FINANCE SECTION

10/102

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other

Execution Date: See Above

2. Name and address of receiving party(ies):

Name: BlazePhotonics Limited

Street Address: University of Bath, The Avenue, Claverton Down

City: Bath UNITED KINGDOM Mail Code: BA2 7AY

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is

A. Patent Application No(s): 10/149,507, filed June 10, 2002 B. Patent No(s): n/a

Title: IMPROVEMENTS IN OR RELATING TO PHOTONIC CRYSTAL FIBRES

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Thomas W. Leffert Address: Leffert Jay & Polglaze, P.A. P.O. Box 581009 Minneapolis, MN 55458-1009

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR §3.41): \$40.00

X Enclosed Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to Deposit account number: 501373

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is an original or a true copy of the original document.

Thomas W. Leffert/Reg. No. 40,697 Name of Person Signing

Signature of Thomas W. Leffert

Date: SEP 26, 2002

Total number of pages including cover sheet, attachments, and document(s): 4

Mail documents to be recorded with required cover sheet information to:

Commissioner for Patents Box Assignment Washington, D.C. 20231

10/03/2002 LMEILLER 00000102 10149507

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I certify that this correspondence and the identified documents listed on this transmittal are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231 on September 26, 2002.

Name: Kristen Smith Signature: [Signature]

PATENT REEL: 013345 FRAME: 0255

INTERNATIONAL ASSIGNMENT

WHEREAS, we, Phillip St. John Russell; Timothy Adam Birks, Jonathan Cave Knight; and Brian Joseph Mangan, residing respectively at Shepherds Mead, Southstoke, Bath, BA2 7EB Great Britain; 14 Horsecombe Brow, Combe Down, Bath BA2 5QY Great Britain; Canteen Cottage, Canteen Lane, Wellow, Bath BA2 8PY Great Britain; and 2 Station Road, Lower Weston, Bath BA1 3DX Great Britain, made certain new and useful inventions and improvements for which I executed an application for Letters Patent of the United States on even date herewith, which is entitled **Improvements In Or Relating To Photonic-Crystal Fibres**.

AND WHEREAS, BlazePhotonics Limited, a corporation organized and existing under and by virtue of the laws of Great Britain, and having an office and place of business at University of Bath, The Avenue, Claverton Down, Bath BA2 7AY, United Kingdom, (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 good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I 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 said application, all divisions, continuations, continuations-in-part, 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 countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I 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 said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that I and my 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 known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said 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 rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, THE UNDERSIGNED has hereunto set his hand on the date indicated below.



Phillip St. John Russell

13 June 2002


Date



Witness

10 June 2002

Date




Witness

13-6-02

Date

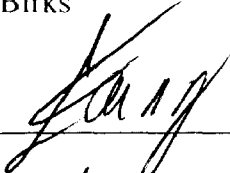
IN TESTIMONY WHEREOF, THE UNDERSIGNED has hereunto set his hand on the date indicated below.



Timothy Adam Birks

13 Jun 2002

Date



Witness

13 June 2002

Date

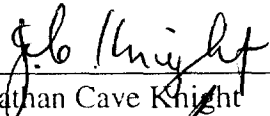


Witness

17 June 2002

Date

IN TESTIMONY WHEREOF, THE UNDERSIGNED has hereunto set his hand on the date indicated below.



Jonathan Cave Knight

20 June 2002


Date



Witness

20/6/2002

Date




Witness

20/6/2002

Date


IN TESTIMONY WHEREOF, THE UNDERSIGNED has hereunto set his hand on the date indicated below.



Brian Joseph Mangan

17 16 02


Date



Witness

17-6-02

Date



Witness

17/6/02

Date