

FORM PTO-159*



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To The Honorable Commissioner

103446613

d original documents or copy thereof.

1. Name of conveying party(ies).

Philip Douglas John Calcott

2. Name and address of receiving party(ies)

Sandra Charles
QINETIQ LIMITED
Malvern Technology Centre
St. Andrews Road, Malvern
Worcestershire WR 14 3PS
United Kingdom

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

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: September 6, 2007

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)	Filing Date
10/489,238	January 24, 2005

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: A. Blair Hughes

Registration No.: 32,901

Company Name: McDonnell Boehnen Hulbert & Berghoff LLP

Street Address: 300 South Wacker Drive - 30th Floor

City: Chicago State: Illinois

Country: U.S.A. ZIP: 60606

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41)\$-----40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:
13-2490

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9. Statement and signature.

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

A. Blair Hughes
Printed Name of Person Signing

Date: September 13, 2007

Total number of pages including cover sheet, attachments, and document:

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

09/18/2007 DBYRNE 00000112 132490 10489238

01 FC:8021

40.00 DA

ASSIGNMENT OF PATENT APPLICATION

(Inventors) **CALCOTT, Philip Douglas John**

In consideration of past and future employment, and my (our) obligation to assign intellectual property generated as result of my (our) employment, the receipt and sufficiency of which consideration is hereby acknowledged, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee)
(Address)

QINETIQ LIMITED
of QINETIQ LIMITED, Cody Technology Park, Ively Road, Farnborough, Hants GU14 0LX, United Kingdom

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other
Countries)
(Title)

() in the invention, and all application for patent and any Letters Patent which may be granted therefore, known as
Type II mid-infrared Quantum Well Laser (Case No. P3164/USW)
for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed (on _____ or has already filed in _____
(U.S. appln. Serial No. 10,489,238, filed on 24th January 2005
(The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to 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

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of **McDonnell Boehnen Hubert & Berghoff** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

258-00

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

Signature of Inventor 
CALCOTT, Philip Douglas Jobb

Date 6th September 2007

Witnessed by 

Date 15th September 2007

ASSIGNMENT OF PATENT APPLICATION

(Inventors) **CALCOTT, Philip Douglas John**

In consideration of past and future employment, and my (our) obligation to assign intellectual property generated as result of my (our) employment, the receipt and sufficiency of which consideration is hereby acknowledged, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee)

QINETIQ LIMITED

(Address)

of **QINETIQ LIMITED**, Cody Technology Park, Ively Road, Farnborough, Hants GU14 0LX United Kingdom

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries)

() in the invention, and all application for patent and any Letters Patent which may be granted therefore, known as

(Title)

Type II mid-infrared Quantum Well Laser (Case No. P3164USW)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed (on _____ or has already filed in _____

(U.S. appn. Serial No. 10,489,238, filed on 24th January 2005

(The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to 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

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

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The undersigned hereby grant(s) the firm of **McDonnell Boehnen Hubert & Berghoff** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

258050

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

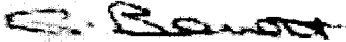
Signature of Inventor


CALCOTT, Philip Douglas John

Date

6th September 2007

Witnessed by



Date

6th September 2007