

09407,196

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

01-20-2000

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT



101248459  
RECORDATION FORM COVER SHEET  
PATENTS ONLY

MRD 1-13-00 Re

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

New

Resubmission (Non-Recordation)  
Document ID#

Correction of PTO Error  
Reel #  Frame #

Corrective Document  
Reel #  Frame #

Conveyance Type

Assignment  Security Agreement

License  Change of Name

Merger  Other

*U.S. Government*  
(For Use ONLY by U.S. Government Agencies)

Departmental File  Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name	Execution Date		
	Month	Day	Year
Name (line 1) Pitzer, Kevin	09	15	99
Name (line 2)			
<b>Second Party</b>			
Name (line 1) Scovill, John	09	10	99
Name (line 2)			

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) The Government of the United States, as represented by the Secretary of the Army

Name (line 2)

Address (line 1) 504 Scott Street

Address (line 2)

Address (line 3) Fort Detrick City Maryland/U.S.A. 21702 Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

FOR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20503

REEL: 010490 FRAME: 0334

**Correspondent Name and Address**

Area Code and Telephone Number

(301) 924-9500

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**Pages** Enter the total number of pages of the attached conveyance document including any attachments.

#

**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT  PCT  PCT   
PCT  PCT  PCT

**Number of Properties**

Enter the total number of properties involved.

#

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:

Enclosed

Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the

Deposit Account Number:

#

Authorization to charge additional fees:

Yes  No

**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. Charges to deposit account are authorized, as indicated herein.

Caroline Nash

*Caroline Nash Reg No 36,329*

January 10, 2000

Name of Person Signing

Signature

Date

*for Chuck Harris Reg 34616  
U.S. Army Medical Research and  
Material Command*

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Kyle, Dennis

Execution Date  
Month Day Year  
09/27/2099

Name (line 2)

Name (line 1) Gerena, Lucia

Execution Date  
Month Day Year  
09/27/2099

Name (line 2)

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

Grid of input boxes for Patent Application Number(s) and Patent Number(s)

10-12-1999



101167936

### RECORDATION FORM COVER SHEET PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

#### Submission Type

New

Resubmission (Non-Recordation)  
Document ID#

Correction of PTO Error  
Reel #  Frame #

Corrective Document  
Reel #  Frame #

#### Conveyance Type

Assignment  Security Agreement

License  Change of Name

Merger  Other

**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)

Departmental File  Secret File

JCS43 U.S. PTO  
09/407196  
09/26/99

MRO 9-28-99

#### Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1)	<input type="text" value="Pitzer, Kevin"/>	Execution Date Month Day Year	<input type="text" value="09/15/99"/>
Name (line 2)	<input type="text"/>		
<b>Second Party</b>			
Name (line 1)	<input type="text" value="Scovill, John"/>	Execution Date Month Day Year	<input type="text" value="09/10/99"/>
Name (line 2)	<input type="text"/>		

#### Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City State/Country Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

#### Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

10/06/1999 BNGUYEN 00000172 210380 09407196

#### FOR OFFICE USE ONLY

01 FC:581 40.00 CH

**Correspondent Name and Address**

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**Pages** Enter the total number of pages of the attached conveyance document including any attachments. #

**Application Number(s) or Patent Number(s)**  Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

**Patent Number(s)**

<input type="text" value="60/102,399"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was  Month Day Year

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Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT  PCT  PCT   
PCT  PCT  PCT

**Number of Properties** Enter the total number of properties involved. #

**Fee Amount** Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed  Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the

Deposit Account Number: #

Authorization to charge additional fees: Yes  No

**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. Charges to deposit account are authorized, as indicated herein.

Caroline Nash

*Caroline Nash*

*Key No. 30,380*

September 28, 1999

Name of Person Signing

Signature

Date

*for Chuck Harris Key No. 34,310  
U.S. Army Medical Research Materiel  
Fort Detrick, MD*

page 3

FORM PTO-1619C  
Expires 06/30/99  
OMB 0651-0027

# RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

## Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Kyle, Dennis

Execution Date  
Month Day Year  
09 27 99

Name (line 2)

Name (line 1) Gerena, Lucia

Execution Date  
Month Day Year  
09 27 99

Name (line 2)

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

0649 U.S. PTO  
09/26/99

## Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

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Address (line 2)

Address (line 3)

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State/Country

Zip Code

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Address (line 2)

Address (line 3)

City

State/Country

Zip Code

## Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

### Patent Application Number(s)


### Patent Number(s)


DA Form 2874-R, APR 93

ASSIGNMENT OF INVENTION

Title of the Invention: Indolo[2,1-b] Quinazolo-6,12-Dione Antimalarial compounds and Methods of Treating Malaria Therewith
Inventor(s): John P. Scovill

\*Application Serial No.:

\*Date Oath Executed: Filing Date:

(Data not known at execution date may be added for better identification.)

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

- 1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continued prosecution application or divisional of said application and any reissue or extension of said Letters Patent.
2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicensee for use in behalf of the Government and/or furtherance of the foreign policies of the Government.
2. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on this invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of the Inventor: X John P. Scovill

Duty Address: Locality Country State

Name of the Inventor: John P. Scovill
First name Middle initial Last name

Date: 9/10/99

State of: County of:

On the above date and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(Seal)

(signature of notary public)

My Commission expires on

DA Form 2874-R, APR 93

### ASSIGNMENT OF INVENTION

Title of the Invention: Indolo[2,1-b] Quinazolo-6,12-Dione Antimalarial compounds and Methods of Treating Malaria Therewith

Inventor(s): Kevin K. Pitzer

\*Application Serial No.:

\*Date Oath Executed:

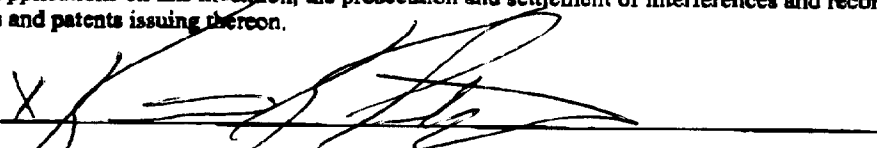
Filing Date:

(Data not know at execution date may be added for better identification.)

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continued prosecution application or divisional of said application and any reissue or extension of said Letters Patent.
2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicensee for use in behalf of the Government and/or furtherance of the foreign policies of the Government.
2. Agree to provide any further information within my (out) knowledge and to execute any further documents necessary to the prosecution of patent applications on this invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of the Inventor:



Duty Address: 7870 Dero Drive, Pasadena, Maryland 21122 U.S.A.

Locality State Country

Name of the Inventor: Kevin K. Pitzer

First name

Middle initial

Last name

Date: 15 Sept 99

State of: \_\_\_\_\_ )

.....

County of: \_\_\_\_\_ ) ss

On the above date and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(Seal)

\_\_\_\_\_

(signature of notary public)

My Commission expires on \_\_\_\_\_



DA Form 2874-R, APR 93

### ASSIGNMENT OF INVENTION

Title of the Invention: Indolo[2,1-b] Quinazole-6,12-Dione Antimalarial compounds and Methods of Treating Malaria Therewith

Inventor(s): Dennis E. Kyle

\*Application Serial No.:

\*Date Oath Executed:

Filing Date:

(Data not know at execution date may be added for better identification.)

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continued prosecution application or divisional of said application and any reissue or extension of said Letters Patent.
2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.
2. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on this invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of the Inventor: [Handwritten Signature]

Duty Address: 9008 Kimblehunt Dr., Gaithersburg, Maryland 20882, U.S.A.  
Locality State Country

Name of the Inventor: Dennis E. Kyle  
First name Middle initial Last name

Date: 27 September 1999

State of: Washington

County of: District of Columbia

On the above date 21 Sep 99 known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(Seal)

[Handwritten Signature: Nanette Jones Potts]  
(signature of notary public)

NANETTE JONES POTTS  
My Commission expires NOTARY PUBLIC DISTRICT OF COLUMBIA  
My Commission Expires January 1, 2000

DA Form 2874-R, APR 93

### ASSIGNMENT OF INVENTION

Title of the Invention: Indolo[2,1-b] Quinazole-6,12-Dione Antimalarial compounds and Methods of Treating Malaria Therewith

Inventor(s): Lucia Gerena

\*Application Serial No.:

\*Date Oath Executed:

Filing Date:

(Data not know at execution date may be added for better identification.)

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continued prosecution application or divisional of said application and any reissue or extension of said Letters Patent.
2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicense for use in behalf of the Government and/or furtherance of the foreign policies of the Government.
2. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on this invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of the Inventor: Lucia Gerena

Duty Address: 13318 Hathaway Drive, Silver Spring, Maryland, 20906 U.S.A.  
Locality State Country

Name of the Inventor: Lucia Gerena  
First name Middle initial Last name

Date: Sept 27, 99

State of: Washington  
County of: District of Columbia

On the above date 27 Sep 99 known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(Seal)

Mariette Jones Potts  
(signature of notary public)

My Commission expires January 1, 2000  
MARIETTE JONES POTTS  
NOTARY PUBLIC DISTRICT OF COLUMBIA  
My Commission Expires January 1, 2000



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JANUARY 03, 2000

PTAS



\*101167936A\*

NASH & TITUS, LLC  
CAROLINE NASH  
3415 BROOKEVILLE ROAD  
SUITE 1000  
BROOKEVILLE, MARYLAND 20833

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF NON-RECORDATION OF DOCUMENT

DOCUMENT ID NO.: 101167936

THE ENCLOSED DOCUMENT HAS BEEN EXAMINED AND FOUND NON-RECORDABLE BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. THE REASON(S) FOR NON-RECORDATION ARE STATED BELOW. DOCUMENTS BEING RESUBMITTED FOR RECORDATION MUST BE ACCOMPANIED BY A NEW COVER SHEET REFLECTING THE CORRECT INFORMATION TO BE RECORDED AND THE DOCUMENT ID NUMBER REFERENCED ABOVE.

THE ORIGINAL DATE OF FILING OF THIS ASSIGNMENT DOCUMENT WILL BE MAINTAINED IF RESUBMITTED WITH THE APPROPRIATE CORRECTION(S) WITHIN 30 DAYS FROM THE DATE OF THIS NOTICE AS OUTLINED UNDER 37 CFR 3.51. THE RESUBMITTED DOCUMENT MUST INCLUDE A STAMP WITH THE OFFICIAL DATE OF RECEIPT UNDER 37 CFR 3. APPLICANTS MAY USE THE CERTIFIED PROCEDURES UNDER 37 CFR 1.8 OR 1.10 FOR RESUBMISSION OF THE RETURNED PAPERS, IF THEY DESIRE TO HAVE THE BENEFIT OF THE DATE OF DEPOSIT IN THE UNITED STATES POSTAL SERVICE.

SEND DOCUMENTS TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231. IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

1. THE COVER SHEET SUBMITTED FOR RECORDING IS NOT ACCEPTABLE. THE NAME AND ADDRESS OF THE RECEIVING PARTY(S) MUST BE INDICATED ON THE COVER SHEET.

SONYA JOHNSON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

**TRANSMITTAL LETTER  
(General - Patent Pending)**

Docket No.  
Army 120

In Re Application Of: Pitzer, et al.

Serial No.	Filing Date	Examiner	Group Art Unit
09/407,196	September 28, 1999	unknown	unknown

Title: Indolo [2,1-b] Quinazole...

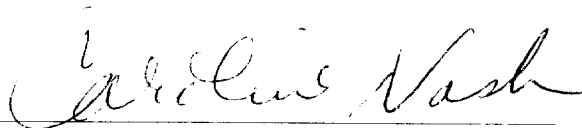
TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith is:

- Recordation Form Cover Sheet (old)
- Recordatin Form Cover Sheet (new with complete Receiving Party information)
- Certificate of Mailing
- Postcard Receipt, stamped and self-addressed

in the above identified application.

- No additional fee is required.
- A check in the amount of \_\_\_\_\_ is attached.
- The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 21-0380 as described below. A duplicate copy of this sheet is enclosed.
  - Charge the amount of \_\_\_\_\_
  - Credit any overpayment.
  - Charge any additional fee required.

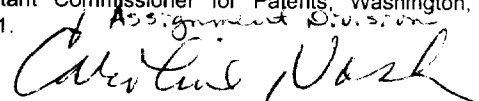


Signature

Dated: January 11, 2000

Caroline Nash, Reg. No. 36,329  
Nash & Titus, LLC  
3415 Brookeville Road, Suite 1000  
Brookeville, Maryland 20833  
for: Chuck Harris, Reg. No. 34,616  
U.S. Army Medical Research and Materiel Command  
504 Scott Street  
Fort Detrick, MD 21702

I certify that this document and fee is being deposited  
January 11, 2000 with the U.S. Postal Service as  
first class mail under 37 C.F.R. 1.8 and is addressed to the  
Assistant Commissioner for Patents, Washington, D.C.  
20231. *Assignment Division*



Signature of Person Mailing Correspondence

Caroline Nash

Typed or Printed Name of Person Mailing Correspondence

CC: