

FORM PTO-1619A
Expires 08/30/99
OMB 0851-0027

08-18-1998

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



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8/18/98
Resub*

**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

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1) Execution Date Month Day Year

Name (line 2)

Second Party

Name (line 1) Execution Date Month Day Year

Name (line 2)

Receiving Party

Mark if additional names of receiving parties attached

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 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City State/Country Zip Code

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 documents 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 (0851-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0851-0027, Patents and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:
REEL: 9233 FRAME: 0608

04-23-1998

FORM PTO-1619C
Expires 05/30/98
OMB 0651-0027

RECOI



100692759

U.S. Department of
Patent and Trademark

PATENT

02/11/98
100692759
U.S. PTO

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) P. Seetharamulu

Execution Date
Month Day Year
02 11 98

Name (line 2)

Name (line 1) Dasharatha G. Reddy

Execution Date
Month Day Year
02 11 98

Name (line 2)

Name (line 1) Shijie Yao

Execution Date
Month Day Year
02 11 98

Name (line 2)

09/022,310

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

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)

FORM PTO-1619C
Expires 08/30/99
OMB 0851-0027

ASSIGNMENT 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)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

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)

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MD 2-11-98

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

Page 2

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

Correspondent Name and Address

Area Code and Telephone Number

210-614-1701

Name Thomas J. Dodd

Address (line 1) Senior Patent Counsel

Address (line 2) BioNumerik Pharmaceuticals, Inc.

Address (line 3) 8122 Datapoint Drive, Suite 1250

Address (line 4) San Antonio, Texas 78229

Pages

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

4

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"/>	<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"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month 02 Day 11 Year 98

Patent Cooperation Treaty (PCT)

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

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

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

40

Method of Payment: Deposit Account

Enclosed Deposit Account

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

Deposit Account Number:

02-0338

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.

Thomas J. Dodd

2-11-98

Name of Person Signing

Signature

Date

03/31/1998 09000075 DAW:022338 09022310
Sale Ref: 00000075 DAW: 022338 09022310
01 FC:581 42.00 CH

Approved for use through 9/30/98. OMB 0661-0027
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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ASSIGNMENT OF APPLICATION

Docket Number (Optional)
X-0039

Whereas, I, Frederick H. Hausheer of Boerne, Texas, hereafter referred to as applicant, have invented certain new and useful improvements in Highly Lipophilic Camptothecin Derivatives

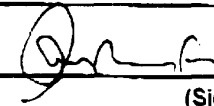
for which an application for a United States Patent was filed on _____ Application Number _____ / _____

for which an application for a United States Patent was executed on 02-11-98, and

BioNumerik Pharmaceuticals, Inc. of San Antonio, Texas herein referred to "assignee" whose post office address is 8122 Datapoint Drive, Suite 1250 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

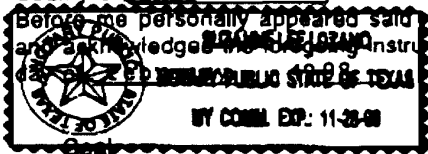
Executed this 11th day of February, 19 98 at San Antonio, Bexar County, Texas

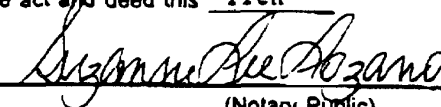


(Signature)

State of Texas) SS:
County of Bexar)

Before me personally appeared said Frederick H. Hausheer and acknowledged to be his free act and deed this 11th





(Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

PATENT

REEL: 9233 FRAME: 0612

PTO/SB/15 (8-88) Approved for use through 9/30/98. OMB 0831-002 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ASSIGNMENT OF APPLICATION

Docket Number (Optional) X-0039

Whereas, I, Kochat Haridas of San Antonio, Texas, hereafter referred to as applicant, have invented certain new and useful improvements in Highly Lipophilic Camptothecin Derivatives

[] for which an application for a United States Patent was filed on Application Number /

[X] for which an application for a United States Patent was executed on 02-11-98, and

BioNumerik

Whereas, Pharmaceuticals, Inc. of San Antonio, Texas herein referred to "assignee" whose post office address is 8122 Datapoint Drive, Suite 1250 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 11th day of February, 1998

at San Antonio, Bexar County, Texas

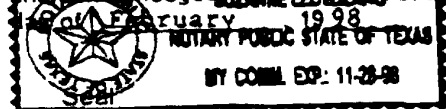
[Signature]

(Signature)

State of Texas) SS: County of Bexar)

Kochat Haridas

and acknowledged before me (SEEN) instrument to be his free act and deed this 11th



[Signature] (Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

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ASSIGNMENT OF APPLICATION

Docket Number (Optional) X-0039

Whereas, I, P. Seetharamulu of San Antonio, Texas, hereafter referred to as applicant, have invented certain new and useful improvements in Highly Lipophilic Camptothecin Derivatives

[] for which an application for a United States Patent was filed on Application Number /

[X] for which an application for a United States Patent was executed on 02-11-98, and

BioNumerik

Whereas, Pharmaceuticals, Inc. of San Antonio, Texas herein referred to "assignee" whose post office address is 8122 Datapoint Drive, Suite 1250 is de-

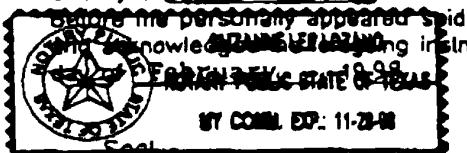
sirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 11th day of February, 1998 at San Antonio, Bexar County, Texas

P. Seetharamulu (Signature)

State of Texas) SS: County of Bexar)



P. Seetharamulu I, the undersigned, being duly sworn, depose and say that the foregoing instrument to be his free act and deed this 11th day of February, 1998.

[Signature] (Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

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ASSIGNMENT OF APPLICATION

Docket Number (Optional) X-0039

Whereas, I, Dasharatha G. Reddy of San Antonio, Texas hereafter referred to as applicant, have invented certain new and useful improvements in Highly Lipophilic Camptothecin Derivatives

[] for which an application for a United States Patent was filed on Application Number /

[X] for which an application for a United States Patent was executed on 02-11-98, and

BioNumerik

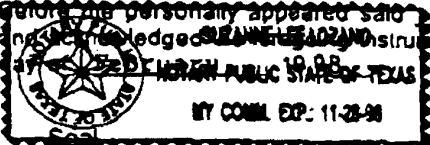
Whereas, Pharmaceuticals, Inc. of San Antonio, Texas herein referred to "assignee" whose post office address is 8122 Datapoint Drive, Suite 1250 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 11th day of February, 1998 at San Antonio, Bexar County, Texas

State of Texas) SS: County of Bexar

before me personally appeared said Dasharatha G. Reddy and he acknowledged and signed this instrument to be his free act and deed this 11th day of February 1998



(Signature)

(Notary Public)

Order Hour Statement; This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

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Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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ASSIGNMENT OF APPLICATION

Docket Number (Optional)
X-0039

Whereas, I, Shijie Yao of San Antonio, Texas, hereafter referred to as applicant, have invented certain new and useful improvements in Highly Lipophilic Camptothecin Derivatives

for which an application for a United States Patent was filed on _____ Application Number _____ / _____.

for which an application for a United States Patent was executed on 02-11-98, and

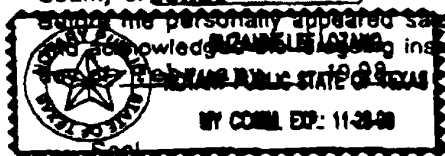
BioNumerik Pharmaceuticals, Inc. of San Antonio, Texas herein referred to "assignee" whose post office address is 8122 Datapoint Drive, Suite 1250 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 11th day of February, 19 98 at San Antonio, Bexar County, Texas

Shijie Yao
(Signature)

State of Texas) SS:
County of Bexar)



Shijie Yao
knows the person who appeared said _____
and acknowledged _____ instrument to be his free act and deed this 11th

Suzanne De Perno
(Notary Public)

Order Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

PTO/SB/15 (8-88)
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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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ASSIGNMENT OF APPLICATION

Docket Number (Optional)
X-0039

Whereas, I, Pavankumar N.V. Petluru of San Antonio, Texas, hereafter referred to as applicant, have invented certain new and useful improvements in Highly Lipophilic Camptothecin Derivatives

for which an application for a United States Patent was filed on _____ Application Number _____ / _____

for which an application for a United States Patent was executed on 02-11-98 and

BioNumerik

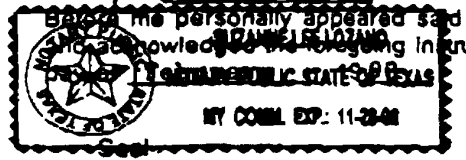
Whereas, Pharmaceuticals, Inc. of San Antonio, Texas herein referred to "assignee" whose post office address is 8122 Datapoint Drive, Suite 1250 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States. I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 11th day of February, 1998
at San Antonio, Bexar County, Texas

Pavankumar N.V. Petluru
(Signature)

State of Texas) SS:
County of Bexar)



Pavankumar N.V. Petluru
I, Pavankumar N.V. Petluru being personally appeared said _____, known to me to be the person whose name is subscribed to the foregoing instrument to be his free act and deed this 11th

Suzanne Lee Rogers
(Notary Public)

Under Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

AUG-18 98 11:27 FROM:

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
PTO/SB/15 (8)

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ASSIGNMENT OF APPLICATION

Docket Number (Optional)
X-0039

Whereas, I, Dhanabalan Murali of San Antonio, Texas, hereafter referred to as applicant, have invented certain new and useful improvements in Highly Lipophilic Camptothecin Derivatives

for which an application for a United States Patent was filed on _____ Application Number _____

for which an application for a United States Patent was executed on 02-11-98 and

BioNumerik Pharmaceuticals, Inc. of San Antonio, Texas herein referred to "assignee" whose post office address is 8122 Datapoint Drive, Suite 1250 is desirous of acquiring the entire right, title and interest in the same;

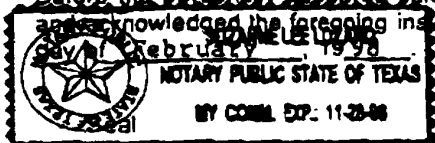
Now, therefore, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States. I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 11th day of February, 19 98
at San Antonio, Bexar County, Texas

D. Murali
(Signature)

State of Texas) SS:
County of Bexar)

Before me personally appeared said Dhanabalan Murali and acknowledged the foregoing instrument to be his free act and deed this 11th day of February, 19 98



Guillermo de la Cruz
(Notary Public)

Burdens Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.