11-05-1998



Form PTO-1595

U.S. Department of Commerce

HEET 6-93 Patent and Trademark Office 100870998 FAILINIS UNLI To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Trustees of Boston University David J. WAXMAN; and Name: Ling CHEN Street Address: 108 Bay Street City: Boston State: MA Zip Code: 02215 Additional name(s) of conveying party(ies) attached? □ yes ☑ no 3. Nature of Conveyance: Country: U.S.A. ■ Assignment □ Merger Additional name(s) & address(es) attached? □ yes ⋈ no □ Change of Name □ Security Agreement □ Other _ Execution Date(s): 10/8/98 and 10/17/98 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). B. Patent No(s). Appl. No. 09/118,179; Filed: July 17, 1998 Additional numbers attached? □ ves ⊠ no 6. Total number of applications and patents involved 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 C.F.R. § 3.41)......\$ 40.00 Name: Sterne, Kessler, Goldstein & Fox P.L.L.C. ■ Enclosed Internal Address: c/o Karen R. Markowicz □ Authorized to be charged to Deposit Account Street Address: 1100 New York Ave., N.W. 8. Deposit Account Number: 19-0036 Suite 600 City: Washington State: D.C. Zip Code: 20005-3934 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 a true copy of the original document. Korer R. Modurdiez Signature Karen R. Markowicz Name of Person Signing Registration No. 36,351 Total number of pages including cover sheet, attachments and document 40.00 (IP) Mail documents to be recorded with required cover sheet information to Commissioner of Patents and Trademarks, Box Assignments Washington, D.C. 20231

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): <u>David J. WAXMAN and Ling CHEN</u>, the undersigned inventor(s) hereby sell(s) and assign(s) to <u>Trustees of Boston University</u> (the Assignee) his/her entire right, title and interest, including the right to sue for and collect for all past, present and future damages:

check applicable box(es)

☐ for the United States of America (as defined in 35 U.S.C. § 100),
☐ and throughout the world,

29.021

- (a) in the invention(s) known as METHODS OF USING CYTOCHROME P450 REDUCTASE FOR THE ENHANCEMENT OF P450-BASED ANTI-CANCER GENE THERAPY for which application(s) for patent in the United States of America has (have) been executed by the undersigned inventor(s) on 10 8 98 and 10 16 98 and 10 16 98, in any and all applications thereon, in any and all Letters Patent(s) therefor, and
- (b) in any and all applications that claim the benefit of the patent application(s) listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application(s) or Letters Patent(s) therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application(s) listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application(s), and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application(s), including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represents that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michael A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; and Michael Q. Lee, Esquire,

Page 1 of 2

Registration No. 35,239, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date(s) opposite his/h	er
name(s).	
Date: 10 898 Signature of Inventor:	
David J. WAXMAN	
Witnessed before me:	
Withessed before me.	
Signature: Mary 6. lenwanterignature:	
Signature: Mary 6. Lenwarden Print Name: Print Name: Mary E. Penwarden Print Name:	
Address: 28 Juniper St., Address:	
Brookline M Calls	
Date: 19/17/48 Signature of Inventor: Ling CHEN	
Date: 19/1//48 Signature of inventor: Ling CHEN	
With and I before man	
Witnessed before me:	
Signature: Signature:	
Print Name: Yu AN ZUU Print Name:	
Address: 203 OAKMONT Dr. Address:	
Address: 203 OAKMONT DY Address:	
IN WITNESS WHEREOF, executed on behalf of the said ASSIGNEE, TRUSTEES OF BOSTON UNIVERSITY	Ι,
on the date below:	
By: 1/ ////	
MATTHEW J. BURNS ASSISTANT TREASURER MATHEW J. BURNS [Type/Print Name]	
BOSTON UNIVERSITY [Type/Print Name]	
Title: ASSO TROPS	
Data: 18 01 1 166	
Date: Bo Oct 1498	
Witnessed before me:	
Signature: The Signature: Edward Musarli	
Print Name: Linda M. Dienne Print Name: Edward J. Lusandi	
Address: 108 Bay State Rd Address: 108 Bay State Address: 108 Bos tor, MA. 02215 Bos tor, MA. 02215	
Day ting, MA 20215 Boston, MA. 02015	

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STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

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VINCENT L. CAPUANO**
DONALD R. BANOWIT**
DAVID P. MAIVALD**

*BAR OTHER THAN D.C.
**REGISTERED PATENT AGENTS

October 27, 1998

WRITER'S DIRECT NUMBER: (202) 371-2637
INTERNET ADDRESS:
KARENM@SKGF.COM

The Honorable Commissioner of Patents and Trademarks Washington, D.C. 20231

Box Assignment

Re: U.S. Utility Patent Application

Appl. No. 09/118,179; Filed: July 17, 1998

For: Methods of Using Cytochrome P450 Reductase for the Enhancement of P450-Based Anti-Cancer

Gene Therapy

Inventors: Waxman and Chen
Our Ref: 1259.0070001/KRM

Sir:

Applicants submit the following documents for appropriate action by the U.S. Patent and Trademark Office:

- 1. Fee Transmittal Form (PTO/SB/17);
- 2. Recordation Form Cover Sheet (Form PTO-1595);
- 3. Assignment to Trustees of Boston University, official recordation and return of which is respectfully requested;
- 4. One return postcard; and
- 5. Our check no. 22985 for \$40.00 to cover recordation fee.

PATENT REEL: 9552 FRAME: 0614 STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

The Honorable Commissioner of Patents and Trademarks October 27, 1998 Page 2

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

If extensions of time under 37 C.F.R. § 1.136 other than those otherwise provided for herewith are required to prevent abandonment of the present patent application, then such extensions of time are hereby petitioned, and any fees therefor are hereby authorized to be charged to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Kaurk. Malwoiz

Karen R. Markowicz

Agent for Applicants Registration No. 36,351

KRM:aye Enclosures

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Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1. These are the fees effective October 1, 1997. Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.

Complete if Known					
Application Number	09/118,179				
Filing Date	July 17, 1998				
First Named Inventor	David J. WAXMAN				
Examiner Name	To Be Assigned				
Group / Art Unit	1633				
Attorney Docket Number	1259.0070001/KRM				

TOTAL AMOUNT OF PAYMENT

(\$) 40.00

METHOD	OF PAYMENT (check one)				FEE (CALCULATION (continued)		
1. The Commissio indicated fees a	ner is hereby authorized to charge and credit any overpayment to:	3. ADDI	TIONAL I	FEES				
Deposit Account Number 19-0	0036							
Deposit Account Name Steri	ne, Kessler, Goldstein & Fox P.L.L.C.	Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	
☐ Charge Any Addition	onal Fee	105	130	205	65	Surcharge - late filing fee or oath		
1.16 and 1.17	Mailing of the Notice of Allowance	127	50	227	25	Surcharge - late provisional filing fee or cover sheet		
2. 🛛 Payment Enclo	sed: 🛛 Check No. 22985	139	130	139	130	Non-English specification		
Money Orde	er 🛛 Other*	147	2,520	147	2,520	For filing a request for reexamination		
the fees or fee	ficiencies or credit any overpayments in calculations of Parts 1, 2 and 3 below ount No. 19-0036.	112	920*	112	920*	Requesting publication of SIR prior to Examiner action		
FE	E CALCULATION	113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		
1		115	110	215		Extension for reply within first month		
1. BASIC FILING FEE		116	400	216		Extension for reply within second month	L	
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101 790 201 39	95 Utility filing fee	128	2,060	228		Extension for reply within fifth month		
106 330 206 10	65 Design filing fee	119	310	219		Notice of Appeal		
107 540 207 2	70 Plant filing fee	120	310	220		Filing a brief in support of an appeal		
	95 Reissue filing fee	121	270	221		Request for oral hearing		
	75 Provisional filing fee	138	1,510	138		Petition to institute a public use proceeding	<u> </u>	
114 100 214	1 Tovisional ming lee	140	110	240		Petition to revive - unavoidable		
eup	FOTAL (4) (5) 0.00	141	1,320	241		660 Petition to revive - unintentional		
308	TOTAL (1) (\$) 0.00	- 142 442	1,320	242		660 Utility issue fee (or reissue)		
		143	450 670	243 244		Design issue fee]	
2. EXTRA CLAIM FEE	S Fee from	144	670	244	333	Plant issue fee	1 11	
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	×* = X =		50	123	50	Petitions related to provisional applications		
Multiple Dependent Clair	if greater; For Reissues, see below	126	240	126	240	Submission of Information Disclosure Stmt		
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103 22 203 11	Claims in excess of 20	146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	<u> </u>	
102 82 202 41	Independent claims in excess of 3					(0) 0) N 1.128(a))		
104 270 204 135	Multiple dependant claim	149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	<u> </u>	
108 82 209 41	**Reissue independent claims over original patent	Otherstead	ie \					
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						SUBTOTAL (3) (\$) 40.00		
SUBMITTED BY						Complete (If anglicable)		

SUBMITTED BY		Complete (if applicable)			
Typed or Printed Name	Karen R. Markowicz	Reg. Number	36,351		
Signature	Kouen Marlwoicz	Date	10/27/98	Deposit Acct. User ID	

Burden Hour Statement: This form is estimated to take 0.2 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: Assistant Commissioner for Patents, Washington, DC 20231.