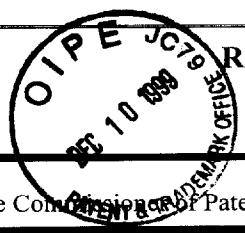


RD

10-99

RM PTO-1595

1-92



12-16-1999



101223460

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

1

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

<b>1. Name of conveying party(ies):</b>  Jian-Yun Dong  <b>Additional name(s) of conveying party(ies) attached?</b>  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  <b>Nature of conveyance:</b>  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other  <b>Execution Date:</b> <u>November 22, 1999</u>	<b>2. Name and address of receiving party(ies):</b>  <b>Name:</b> Medical University of South Carolina  <b>Street Address:</b> 171 Ashley Avenue   <b>City/State/Zip:</b> Charleston, SC 29425-2230  <b>Additional name(s) &amp; address(es) attached?</b>  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
--	--

Application number(s) or patent number(s): 09/314,259  
this document is being filed together with a new application, the execution date of the application is:

<b>A. Patent Application No.(s):</b>	<b>B. Patent No.(s):</b>
--------------------------------------	--------------------------

Additional numbers attached? ☐ Yes ☒ No

<b>Name and address of party to whom correspondence concerning document should be mailed:</b>  <b>Name:</b> David J. Weitz <b>Internal Address:</b> FH 1-2 <b>Wilson Sonsini Goodrich &amp; Rosati</b> <b>650 Page Mill Road</b> <b>Palo Alto, CA 94304-1050</b>	<b>6. Total number of applications and patents involved:</b> [ 1 ]
	<b>7. Total fee (37 CFR 3.41) .....\$40.00</b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account
	<b>8. Deposit account number:</b> <u>23-2415</u> (Attorney Docket No.: 22488-702)

DO NOT USE THIS SPACE

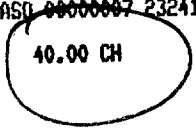
Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

David J. Weitz, Reg. No., 38,362 Name of Person Signing	 Signature	<u>Dec 6, 1999</u> Date
--	---------------	----------------------------

Total number of pages including cover sheet, attachments, and document: [ 2 ]

/1999 MPKASASD 00000007 232415 09314259

581



## ASSIGNMENT OF APPLICATION

Docket Number 22488-702

Whereas, the undersigned:

DONG, JIAN-YUN  
1326 Chrismill Ln.  
Mt. Pleasant, S.C., 29466

hereinafter termed "Inventor", has invented certain new and useful improvements in

## METHODS OF MONITORING HIV DRUG RESISTANCE

X

for which an application for United States Patent was filed on May 18, 1999, Application No. 09/314,259

for which an application for a United States Patent was executed on \_\_\_\_\_, and

WHEREAS, Medical University of South Carolina, having a place of business at 171 Ashley Avenue, Charleston, SC 29425-2230, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventor (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor to have been received in full from said Assignee:

1. Said Inventor does hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, his/her respective heirs, legal representatives and assigns.

4. Said Inventor hereby warrants and represents that he/she has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor has executed and delivered this instrument to said Assignee as of the date written below.

Date:

11/32/99

Jian-Yun Dong

State of South Carolina  
County of Charleston

On 22 Nov, 1999, before me, personally appeared Jian-Yun Dong, ☐ personally known to me or ☐ proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same. WITNESS my hand and official seal.

(Notary Public)

March, 17, 2009