05-28-2002

HEET

Docket No.: 1932.1110-002

To the Honorable Commissioner of Patents and Traden	narks: Please record the attached original documents or copy thereof.
 Name of conveying party(ies) (1) Richard J. Fitzpatrick (2) Keith K. Shackett (3) Jeffrey D. Klinger 	Name and address of receiving party(ies) Name:GelTex Pharmaceuticals, Inc. Internal Address:
Additional name(s) of conveying party(ies) attached? [] Yes [X] No	
3. Nature of conveyance: X] Assignment [] Merger	Street Address: 153 Second Avenue
[] Security Agreement [] Change of Name [] Other Execution Date: 1) 4/9/02; 2) 4/3/02; 3) 4/2/0	City: Waltham State: MA ZIP: 02451 Additional name(s) & address(es) attached? [] Yes [X] No
 Application number(s) or patent number(s): If this document is being filed together with a new application, A. Patent Application No.(s) 	the execution date of the application is: B. Patent No.(s)
5. Name and address of party to whom correspondence concerning document should be mailed:	bers attached? [] Yes [X] No 6. Total number of applications and patents involved: P1]
Name: Carolyn S. Elmore, Esq. Internal Address: Hamilton, Brook, Smith & Reynolds, P.C.	7. Total Fee (37 C.F.R. 3.41)
Street Address: 530 Virginia Road, P.O. Box 9133	8. Deposit account number: 08-0380
City: Concord State: MA ZIP: 01742-9133	(Attach duplicate copy of this page if paying by deposit account
DO NO	OT USE THIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing inform document. Carolyn S. Elmore Name of Person Signing	nation is true and correct and any attached copy is a true copy of the original signature. Date ag cover sheet, attachments, and document: [4]

Joint

ASSIGNMENT

WHEREAS, we, Richard J. Fitzpatrick, Keith K. Shackett, and Jeffrey D. Klinger, have invented a certain improvement in Ionene Polymers and Their Use as Antimicrobial Agents described in an application for Letters Patent of the United States, the specification of which:

[]	is being executed on even date herewith and is about to be filed in the United States Patent Office;
[X]	was filed on January 17, 2002 as Application No. 10/051,765;
[]	was patented under U.S. Patent No. [] on [].

WHEREAS, GelTex Pharmaceuticals, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at 153 Second Avenue, Waltham, MA 02451 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

nventor's Signature: RI Fatfattl
Richard J. Fitzpatrick
tate/Commonwealth
f Manachurette
County of Middlesey
Then personally appeared before me the above-named Richard J. Fitzpatrick and cknowledged that he/she executed the foregoing instrument as his/her free act and deed this day of, 20_02
SEAL) Notary Public
Spyce D. Lange (print name)
My Commission expires 7 / 19 / 07

Inventor's Signature: Luci Halet
Keith K. Shackett
State/Commonwealth
of Musiachusetts
County of Middlesey
Then personally appeared before me the above-named Keith K. Shackett and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this
Inventor's Signature: State/Commonwealth of County of Then personally appeared before me the above-named Jeffrey D. Klinger and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this ayof (SEAL) Ange (print name) My Commission expires 7 19 07

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RECORDED: 05/21/2002