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U.S. PTO
09/267311

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MAD 3-12-99

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

1. Name of conveying party(ies):
Shuang-yong XU

2. Name and address of receiving party(ies):

Name: New England Biolabs, Inc.

Internal Address:

Street Address: 32 Tozer Road

Additional name(s) of conveying party(ies) attached? None

3. Nature of Conveyances:

- Assignment Merger
- Security Agreement Change of Name
- Other: _____

City: Beverly State: MA Zip: 01915

Additional name(s) & address(es) attached? No

Execution Date: March 2, 1999

4. Application number(s) or patent number(s):

09/267,311

If this document is being filing together with a new Application, the execution date of the application is: 3/2/99

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? No

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved: one

Name: Gregory D. Williams

7. Total fee (37 CFR 3.41):.....\$ 40.00

General Counsel

Enclosed

Street Address: New England Biolabs, Inc.

Authorized to be charged to deposit account

32 Tozer Road

City: Beverly State: MA Zip: 01915

8. Deposit Account Number: 14-0740

03/23/1999 GWASHING 00000014 09267311

(Attach duplicate copy of this page if paying by deposit account)

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(40.00 DP)

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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.

Gregory D. Williams (Reg. No. 30901)

3/2/99

Name of Person Signing

Signature

Date

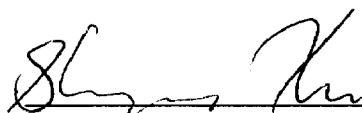
Total number of pages comprising cover sheet: one

ASSIGNMENT

I, Shuang-yong Xu, for good and valuable consideration from New England Biolabs, Inc., a Massachusetts Corporation, having its principal place of business in Beverly, Massachusetts, hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title, and interest in, to and under an application for Letters Patent of the United States Serial No. _____, signed by me on uneven date herewith for improvements in METHOD FOR CLONING AND EXPRESSION OF *RHODOTHERMUS OBAMENSIS* DNA POLYMERASE I LARGE FRAGMENT IN *E. COLI* including all priority rights ensuing therefrom, and the inventions and any of them therein set forth and described, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, together with the right to apply for such Letters Patent.

And for the above consideration I agree promptly upon request of the Assignee, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, divisional, continuation or reissue, or other papers which may be necessary or desirable fully to secure to the Assignee, said application and all patent rights therein, in the United States and in any country foreign thereto.

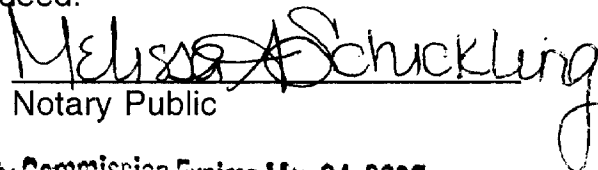
IN WITNESS THEREOF, I, Shuang-yong Xu, hereunto set my hand and seal this 2nd day of March, 1999.



 Shuang-yong Xu

Commonwealth (State) of Massachusetts
 County of Essex, ss.

Before me this 2nd day of March, 1999, personally appeared the foregoing instrument of assignment to be [her] his free act and deed.



 Notary Public

My Commission Expires May 24, 2007