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To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
Name of conveying party(ies):	2. Name and address of receiving party(ies):
Richard D. Morgan	Non-English to the
Qing Xu	Name: New England Biolabs, Inc.
Additional name(s) of conveying party(ies) attached?	Internal Address:
attached?	
3. Nature of Conveyances:	Street Address: 32 Tozer Road
[X] Assignment [ ] Merger	City: Beverly Ctore MA - 01015
[ ] Security Agreement [ ] Change of Name	City: Beverly State: MA Zip: 01915
[ ] Other:	Additional name(s) & address(es) attached?Yes
August 25, 2000	address(es) attached?
Execution Date: September 11, 2000	
4. Application number(s) or patent number(s):	September 28, 1999
If this document is being filing together with a new Appl	November 1, 1999
A. Patent Application No.(s)	B. Patent No.(s)
09/404,056	
Additional numbers attached? No	
Name and address of party to whom correspondence	6 Total number of applications and add to 1
concerning document should be mailed:	6. Total number of applications and patents involved: 1
Jame:Gregory D. Williams	7. Total fee (37 CFR 3.41):\$_40.00
General Counsel New England Biolabs, Inc.	[X] Enclosed
street Address: 32 Tozer Road	[X] Authorized to be charged to deposit account
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City: Bever1y State: MA Zip: 01915	1/, 07/0
	8. Deposit Account Number: 14-0740
	(Attach duplicate copy of this page if paying by deposit account)
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Gregory D. Williams (Reg. No. 30901)	9/13/00
lame of Person Signing	Signature Date
	Total number of pages appeals 2
OMB No. 0651-0011 (exp. 4/94)	Total number of pages comprising cover sheet:

PATENT REEL: 011108 FRAME: 0539

## Attachment to Form PTO-1595 Recordation Cover Sheet

## Additional Receiving Parties:

Vanderbilt University 1207 17<sup>th</sup> Avenue South, Suite 210 Nashville, TN 37212

> PATENT REEL: 011108 FRAME: 0540

## **ASSIGNMENT**

I, Qing Xu, for good and valuable consideration from Vanderbilt University, a Tennessee University, having its principal place of business in Nashville, Tennessee, 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. 09/404,056, signed by me on uneven date herewith for improvements in A NOVEL TYPE II RESTRICTION ENDONUCLEASE, *Hpy*991, OBTAINABLE FROM *HELICOBACTER PYLORI* J99 AND A PROCESS FOR PRODUCING THE SAME 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 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, Qing Xu, hereunder set my hand and seal this
day of <u>Septern</u> , 2000.
Gms 119-13k
Qing Xu
Commonwealth of Massachusetts  County of Suffolk ss.  Before me personally appeared said Qing Xu and acknowledged the foregoing instrument of assignment to be [her] his free act and deed this 1th day of

RENEE J. WHITEHEAD

Notary Public

My Commission Expires Feb. 10, 1006

PATENT REEL: 011108 FRAME: 0541

## ASSIGNMENT

I, Richard D. Morgan, 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. 09/404,056, signed by me on uneven date herewith for improvements in A NOVEL TYPE II RESTRICTION ENDONUCLEASE, Hpy99I, OBTAINABLE FROM HELICOBACTER PYLORI J99 AND A PROCESS FOR **PRODUCING THE SAME** 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 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, Richard D. Morgan, hereunder set my hand and seal this 25/Lday of Argunt, 2000.

Commonwealth (State) of Massachusetts

Before me personally appeared said Richard D. Morgan and acknowledged the foregoing instrument of assignment to be [her] his free act and deed this 25 day of

**PATENT** RECORDED: 09/15/2000 REEL: 011108 FRAME: 0542