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Attorney Docket Number  
9882-007TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS  
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Washington, DC 20231

Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

A. Francis Stewart, Youming Zhang, and Joep  
Pieter Paul MuylersAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: October 20, 1999

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

Name: The European Molecular Biology  
LaboratoryAddress: Meyerhofstrasse 1  
D-69117  
HeidelbergCountry (if other than USA): Germany

## 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) 09/350,830

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

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

PENNIE & EDMONDS LLP  
1155 Avenue of the Americas  
New York, NY 100366. Number of applications and patents involved: 17. Total fee (37 CFR 3.41):.....\$ 40.00  
Please charge to the deposit account listed in Section 8.8. Deposit account number:  
16-1150

11/03/1999 JSHABAZZ 00000077 161150 09350830

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## 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.*Adriane M. Antler32,605Adriane M. AntlerOctober 29, 1999

Name of Person Signing

Reg. No.

Signature

Date

Total number of pages including cover sheet:

3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignment  
Washington, D.C. 20231

## ASSIGNMENT

WHEREAS, WE, A. Francis Stewart, Youming Zhang, and Joep Pieter Paul Muyrers, ASSIGNORS, citizens of Australia, People's Republic of China, and The Netherlands, respectively; respectively residing at Laerchenweg 3, Leimen, Germany 69181; Friedrich Ebert Anlage 51e, Heidelberg, Federal Republic of Germany 69117; and Kuileneindestraat 53, Meerssen, The Netherlands NL-623-1 KE, are the inventors of the invention in METHODS AND COMPOSITIONS FOR DIRECTED CLONING AND SUBCLONING USING HOMOLOGOUS RECOMBINATION for which we have executed an application for a Patent of the United States

☐ which is executed on ☐ even date herewith or ☐ \_\_\_\_\_

☒ which is identified by Pennie & Edmonds LLP docket no. 9882-007

☒ which was filed on July 9, 1999, Application No. 09/350,830

and WHEREAS, The European Molecular Biology Laboratory, having a place of business at Meyerhofstrasse 1, D-69117 Heidelberg, Germany, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention 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; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 20 October 1999, 1999 A. Francis Stewart L.S.  
A. Francis Stewart

Date 20. October, 1999 Steve Stern  
Witnessed by

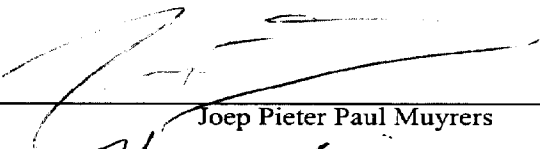
Date 20. October, 1999 Anne Walker  
Witnessed by

Date 20 Oct., 1999 Y. Zhang L.S.  
Youming Zhang

Date 20. Oct, 1999 Steve Stern  
Witnessed by

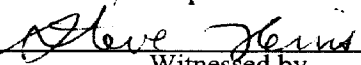
Date 20. October, 1999 Anne Walker  
Witnessed by

Date 20 October, 1999

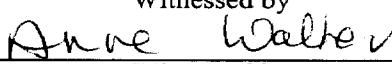
  
Joep Pieter Paul Muylers

L.S.

Date 20. October, 1999

  
Witnessed by

Date 20. October, 1999

  
Witnessed by