FORM PTO-1595

OMB No. 0651-0011 (exp. 4/94) M&G-9192.3USWO

(Rev. 6-93)

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11-04-1998

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

100869063 To the Commissioner of Patents and Trademarks: Please record the attach 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Alan John KINGSMAN Publishing Division Oxford BioMedica Limited Susan Mary KINGSMAN Magdalen Centre, Robert Robinson Avenue Paula Marie CANNON The Oxford Science PArk Martin Andreas NOWAK Oxford OX4 4GA, UNITED KINGDOM 10-26-18 Additional name(s) of conveying party(ies) attached?

Yes
No Nature of conveyance: Assignment Merger Security Agreement Change of Name Other: Execution Date: August 12, 1998 and July 28, 1998 4. Application number(s) or patent number(s): Application number(s) or patent number(s): 09, 091, 305

If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) 09/091,305 Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: 1 document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Name: Michael B. Lasky Enclosed Authorized to be charged to deposit account Address: Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A. 8. Please charge any additional fees or credit any 3100 Norwest Center overpayments to our Deposit account number: 13-2725 90 South Seventh Street Minneapolis, MN 55402-4131 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. October 21, 1998 Michael B. Lasky Date Name of Person Signing Signature Total number of pages including cover sheet, attachments, and document: 3 11/02/1998 BHEUYEN 00000134 09091305

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Do not detach this portion

Box Assignments Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork PRI (OFFIce OFFICE) Project (OFFICE) PRI (OFF Reduction Project (0651-0011), Washington, D.C. 20503.

INSTRUCTIONS

ASSIGNMENT OF U.S. RIGHTS TO CORPORATION

WHEREAS.

Inventor(s) Name, Address, Citizenship

1. Alan John KINGSMAN residing at Greystones, Middle Street, Islip. Oxon OX5 2SF United Kingdom and a citizen of Great Britain; 2. Susan Mary KINGSMAN residing at Greystones, Middle Street, Islip. Oxon OX5 2SF United Kingdom and a citizen of Great Britain; 3. Paula Marie CANNON residing at 915 # Summit Drive, South Pasadena, CA 91030 United States of America

and a citizen of Great Britain; 4. Martin Andreas NOVAK residing at 63 Charibury Road, Oxford OX2 6UX United Kingdom and a citizen of Austria:

(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States on . for this invention, which application is entitled HOST ADAPTATION OF RETROVIRAL VECTORS and which has been given Serial Number _ the filing date of Intl Filing Date December 16, 1996;

AND WHEREAS Oxford Biomedica Limited (herein called "ASSIGNEE"), a corporation organized under the laws of Great Britain, and having an office and place of business at Magdalen Centre, Robert Robinson Avenue. The Oxford Science Park, Oxford OX4 4GA United Kingdom

wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for the United States in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent Which may be granted therefrom, and all reissues or extensions of such patents, and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, it's successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said ASSIGNEE its successors and assigns, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF. THE UNDERSIGNED have becount o set their hand

Date Patent Declaration Signed and Title Serial No. and filing date (if known)

Name of Corporation

State or Country of Incorporation and Address

Each date	inventor	must	sígn	٤
	No lega witness			r ~

on the dates indicated below.	12 August 1998
Signature	12 August 1998
significare	Date
Signature	Date
Signature	Date

INSTRUCTIONS

ASSIGNMENT OF U.S. RIGHTS TO CORPORATION

Inventor(s) Name. Address, Citizenship

Date Patent Declaration Signed and Title Serial No. and filing date (if known)

Name of Corporation

State or Country of Incorporation and Address WHEREAS.

DX2 6UX United Kingdom

1. Alan John KINGSMAN residing at Greystones, Middle Street, Islip, Oxon OX5 2SF United Kingdom and a citizen of Great Britain; 2. Susan Mary KINGSMAN residing at Greystones, Middle Street, Islip. Oxon OX5 2SF United Kingdom and a citizen of Great Britain; 3. Paula Marie CANNON residing at 915 # Summit Drive. South Pasadena. CA 91030, United States of America and a citizen of Great Britain; 4. Martin Andreas NOWAK residing at 63 Charlbury Road, Oxford

and a citizen of Austria: (herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States on _ for this invention, which application is entitled HOST ADAPTATION OF RETROVIRAL VECTORS and which has been given Serial Number _____

AND WHEREAS Oxford Biomedica Limited (herein called "ASSIGNEE"), a corporation organized under the laws of Great Britain, and having an office and place of business at Magdalen Centre, Robert Robinson Avenue, The Oxford Science Park, Oxford OX4 4GA United Kingdom

the filing date of Intl Filing Date December 16, 1996;

wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for the United States in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said ASSIGNEE its successors and assigns, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Each inventor must sign & date

Note: No legalization or other witness required

Signature	Date		
Signature	Date		
Pouls (amon	Date 8/12/98		
Signature (OW)	28 te 07 1948		

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

KINGSMAN, et al.

Examiner:

Unknown

Serial No.:

09/091,305

Group Art Unit:

Unknown

Filed:

Intl Filing Date December 16, 1996

Docket:

9192.3USWO

Notice of

NA

Batch No.:

NA

Allow. Date:

Due Date: Title:

HOST ADAPTATION OF RETROVIRAL VECTORS

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described hereinabove, are being deposited in the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Box ASSIGNMENTS Assistant Commissioner for Patents, Washington, D.C. 20231, on October 21, 1998.

Michael B. Lasky

Box ASSIGNMENTS

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

☐ Transmittal Sheet in duplicate containing Certificate of Mailing

Assignment of the invention to Oxford BioMedica Limited, Recordation Form Cover Sheet, and fee of \$40.00

☐ Check(s) in the amount of \$40.00, for Assignment Recordation Fee

Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT, GOULD, SMITH, EDELL, WELTER & SCHMIDT 3100 Norwest Center, Minneapolis, MN 55402 (612) 332-5300

RECORDED: 10/26/1998

By:

Name: Michael B. Lasky

Reg. No.: 29,555

MBL/sef

(PTO TRANSMITTAL – GENERAL)