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original documents or copy

To The Honorable Commissioner of Patents and Trademarks
thereof.

1. Name of conveying party(ies):

Sundarasamy Mahalingam

Additional name(s) of conveying party(ies)
attached? () YES (X) NO

3. Nature of Conveyance:

- () Assignment () Merger
- () Security Agreement
- () Change of Name

**(X) Other: This is a cross-reference of the assignment
originally filed in Serial No. 08/949,202, filed October
10, 1997**

Execution Date(s): April 17, 1998

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

Name: The Trustees of the University of Pennsylvania

Internal Address: Center for Technology Transfer

Street Address: 3700 Market Street

City: Philadelphia

State PA ZIP 19148

Additional name(s) & address attached? () YES (X) NO

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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)

B. Patent No.(s)

09/418,175

Additional numbers attached? () YES () NO

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

Name: Mark DeLuca
Internal Address: WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS LLP
One Liberty Place - 46th Floor
Philadelphia, Pennsylvania 19103-7301

Street Address: WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS LLP
One Liberty Place - 46th Floor
1650 Market Street
Philadelphia, Pennsylvania 19103-7301

6. Total number of applications and patents involved:

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

- (X) Enclosed
- () Authorized to be charged to Deposit Account
Number 23-3050

8. Please charge any deficiency or credit any
overpayment to Deposit Account Number 23-3050

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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.*

Mark DeLuca/33,229

Name of Person Signing/Reg. No.

Signature

12/21/99

Date

Total number of pages including cover sheet, attachments, and document: 3

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

01/21/2000 TTON11 00000145 09418175

01 FC:581

40.00 OP

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

DOCKET NO.: UPAP-0222

(Pending Application;
Serial No. 08/949,202)A S S I G N M E N T

WHEREAS, I, Sundarasamy Mahalingam, hereinafter referred to as the assignor, residing at Birmingham, Alabama am a joint inventor together with David B. Weiner, Velpandi Ayyavoo and Mamata Patel of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Serial No. 08/949,202, filed October 10, 1997, entitled CELLULAR RECEPTOR FOR HIV-1 VPR ESSENTIAL FOR G2/M PHASE TRANSITION OF THE CELL CYCLE; and

WHEREAS, The Trustees of the University of Pennsylvania hereinafter referred to as the assignee, of Philadelphia, Pennsylvania, a corporation of Pennsylvania, is desirous of acquiring my entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

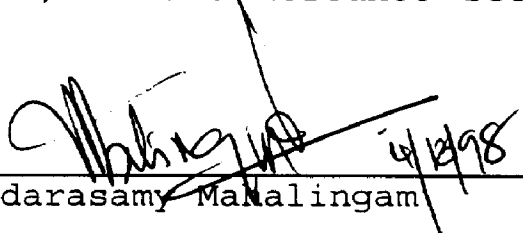
NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, my entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in my name applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

AND we hereby covenant that I have full right to convey my entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said

inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and I agree to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND I 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 on applications as aforesaid, to issue to said assignee, as assignee of my entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.



Sundarasamy Manalingam (L.S.)

COUNTY OF _____ : SS

On this _____ day of _____, 19____, before me personally came the above named _____ to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Notary Public