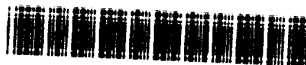


08-28-1998



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Form PTO-1595
6-93

U.S. Department of Commerce
Patent and Trademark Office

RECORDATION FORM COVER SHEET
PATENTS ONLY

K1682

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

1. Name of conveying party(ies):

Akira Kaji

MRD 8-24-98

Additional name(s) of conveying party(ies) attached? yes no

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

Name: The Trustees of the University of Pennsylvania

Street Address:

3700 Market Street
Suite 300

City: Philadelphia State: PA Zip Code: 19104-3147

Country: USA

Additional name(s) & address(es) attached? yes no

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date(s): August 3, 1998

4. Application number(s) or patent number(s): U.S. Patent Number 5,583,040

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)

Additional numbers attached? yes no

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

Name: Evelyn H. McConathy

Internal Address:
Docket # K1682

Street Address:
3700 Market Street
Suite 300
City: Philadelphia State: PA Zip Code: 19104-3147

6. Total number of applications and patents involved

1

7. Total fee (37 C.F.R. § 3.41).....\$ 40.00

Enclosed

Authorized to be charged to Deposit Account

8. Please charge any deficiency or credit any overpayment to
Deposit Account Number: 13-2489

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

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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.

Evelyn H. McConathy

Name of Person Signing

Registration No. 35,279

Evelyn H. McConathy
Signature

August 20, 1998

Date

Total number of pages including cover sheet, attachments and document: 2

OMB NO. 0651-0011 (exp. 4/94)

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

PATENT

REEL: 9396 FRAME: 023

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08/27/1998 TT0011
01 FC:501

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to Akira Kaji, the undersigned, hereby sell(s) and assign(s) to The Trustees of the University of Pennsylvania, a non-profit corporation organized and existing under the laws of the Commonwealth of Pennsylvania having a principal place of business at 3700 Market Street, Suite 300, Philadelphia, Pennsylvania 19104-3147 (the Assignee) their entire rights, titles and interests

check applicable box(es) [X] for the United States of America (as defined in 35 U.S.C. § 100), [X] and throughout the world,

in the invention known as Mutation of RepA Protein for which application(s) for patent was made in the United States of America has been executed by the undersigned on Mutation of RepA Protein, (also known as United States Patent No. 5,583,040), in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisionals and the continuing applications thereof to the full end of the term or terms for which such Letters Patent(s) issue, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any continuing, divisional, reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any continuing, divisional, reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that undersigned has (they have) full right to convey undersigned entire interest herein assigned, and that undersigned has (they have) not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant(s) Evelyn H. McConathy, Esquire, Registration No. 35,279 of the University of Pennsylvania, Center for Technology Transfer 3700 Market Street, Suite 300, Philadelphia, Pennsylvania 19104, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date opposite his name.

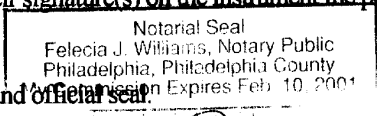
Date: 8/03/98 Signature of Inventor: Akira Kaji

STATE OF PENNSYLVANIA: SS COUNTY OF PHILADELPHIA:

On this 3rd day of August 1998, understood by me, Felecia J. Williams (Seal)

Appeared Akira Kaji

[] personally known to me -OR- [X] proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.



WITNESS my hand and official seal.

Signature Felecia J. Williams (Seal)

UNIVERSITY of PENNSYLVANIA

Center for Technology Transfer

Suite 300
3700 Market Street
Philadelphia, PA 19104-3147
215-573-4500
FAX: 215-898-9519

August 20, 1998

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

BOX: Assignment

Re: Recordation of Assignment
U.S. Patent No. 5,583,040
Issued: 12/10/96
For: Mutation of RepA Protein
Inventor: Akira Kaji
Our Reference: K1682


Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- I. One Recordation Form Cover Sheet and one copy (2 pages)
- II. One Assignment: (one page)
naming as an inventor: Akira Kaji
For: Mutation of RepA Protein
U.S. Patent No. 5,583,040
Issued: 12/10/96
- III. One (1) return prepaid post card.

It is respectfully requested that the prepaid post card be stamped with the recordation date of these documents and returned as soon as possible.

Respectfully submitted,


Evelyn H. McConathy, Esq.
Registration No. 35,279