



ASSIGNMENT RECORDATION FORM COVER SHEET

Patents Only

To the Honorable Commissioner of Patents and Trademarks:

June 18, 1998
Attorney Dkt:5789-4

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Peter C. Maloney
Keietsu Abe
Zhong-Shi Ruan

Additional name(s) of conveying party(ies) attached? ___ Yes No

2 Name and address of receiving party(ies):

Johns Hopkins School of Medicine
2024 E. Monument Street, Suite 2-100
Baltimore, Maryland 21205

07-06-1998



100754381

3. Nature of conveyance: MRO 6-22-98

Assignment
 ___ Merger
 ___ Security Agreement
 ___ Change of Name
 ___ Other _____

Execution Date: June 3, 1998

Additional name(s) & address(es) attached? ___ Yes No

4. Application Serial No. 09/030,267 Patent No. _____

If this document is being filed together with a new application, the execution date of the application is: _____

Additional numbers attached? ___ Yes No

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

W. Murray Spruill
BELL SELTZER INTELLECTUAL PROPERTY LAW GROUP
ALSTON & BIRD LLP
P. O. Drawer 34009
Charlotte, NC 28234

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00
 Enclosed
 ___ Authorized to be charged to deposit account

8. Deposit account number: 16-0605

DO NOT USE THIS SPACE

9. Statement and signature
To the best of my knowledge and belief, the foregoing informat'ion is true and correct and any attached copy is a true copy of the original document.

W. Murray Spruill, 32,943
 Name of Person Signing

WMS
 Signature

6/19/98
 Date

Total number of pages including cover sheet, attachments and document: 8

ASSIGNMENT

THIS ASSIGNMENT, made by us, Peter C. Maloney, citizen of the United States of America, residing at 6219 Falls Road, Baltimore, Maryland 21209; Keietsu Abe, a citizen of Japan, residing at 101-C-203, Miyazaki, Noda-City, Chiba, 278-0005, Japan; and Zhong-Shi Ruan, a citizen of P.R. China residing at 5 Wilson Way South, Cranbury, New Jersey 08512-1823, respectively;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in OxIT SEQUENCE AND ITS USE for which an application for United States Letters Patent has been filed in the United States Patent and Trademark Office on February 25, 1998, under Serial No. 09/030,267, and

WHEREAS, Johns Hopkins School of Medicine, a Maryland corporation having a principal place of business at 2024 E. Monument Street, Suite 2-100, Baltimore, Maryland 21205, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

PATENT
REEL: 9275 FRAME: 0809

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives, and assigns promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 3rd day of ^{JUNE} ~~July~~, 1998.

Peter Maloney (SEAL)
Peter C. Maloney

Keietsu Abe (SEAL)

Zhong-Shi Ruan (SEAL)

STATE OF)
) ss:
COUNTY OF)

Before me personally appeared Peter C. Maloney to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 3rd day of ^{JUNE} ~~July~~, 1998.

Silvan H. Duran
Notary Public

SEAL

My Commission Expires: 12/1/2000

STATE OF)
) ss:
COUNTY OF)

Before me personally appeared Keietsu Abe to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this _____ day of May, 1998.

Notary Public

SEAL

My Commission Expires: _____

STATE OF)
) ss:
COUNTY OF)

Before me personally appeared Zhong-Shi Ruan to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this _____ day of May, 1998.

Notary Public

SEAL

My Commission Expires: _____

50023

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives, and assigns promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 5th day of May, 1998.

Peter C. Maloney (SEAL)

Keletsu Abe
Keletsu Abe (SEAL)

Zhong-Shi Ruan (SEAL)

STATE OF)
) ss:
COUNTY OF)

Before me personally appeared Peter C. Maloney to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this _____ day of May, 1998.

Notary Public

SEAL

My Commission Expires: _____

STATE OF)
) ss:
COUNTY OF)

Before me personally appeared Keietsu Abe to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this ____ day of May, 1998.

Notary Public

SEAL

My Commission Expires: _____

S. Ishii
Shigetaka Ishii, Ph.D. /R&D Director Kikkoman Corp.

Witness
T. Nakada
Tadanobu Nakada, Ph.D. /1st Dept. of R & D Kikkoman Corp.
Witness

STATE OF)
) ss:
COUNTY OF)

Before me personally appeared Zhong-Shi Ruan to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this ____ day of May, 1998.

Notary Public

SEAL

My Commission Expires: _____

50023

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We further covenant and agree to bind our heirs, legal representatives, and assigns promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this _____ day of May, 1998.

Peter C. Maloney (SEAL)

Keietsu Abe (SEAL)

Zhong-Shi Ruan

Zhong-Shi Ruan (SEAL)

STATE OF)
) ss:
COUNTY OF)

Before me personally appeared Peter C. Maloney to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this _____ day of May, 1998.

Notary Public

SEAL

My Commission Expires: _____

STATE OF)
) ss:
COUNTY OF)

Before me personally appeared Keietsu Abe to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this _____ day of May, 1998.

Notary Public

SEAL

My Commission Expires: _____

STATE OF)
) ss:
COUNTY OF)

Before me personally appeared Zhong-Shi Ruan to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 5 day of ^{June}~~May~~, 1998.

Kathleen McElarney
Notary Public

SEAL

My Commission Expires: _____

KATHLEEN MC ELARNEY
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Mar. 21, 2002

50023

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RECORDED: 06/22/1998

PATENT
REEL: 9275 FRAME: 0815