

08-07-1998



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To The Honorable Commissioner
thereof

Record the attached original documents or copy

ARD 8-4-98

1. Name of conveying parties:
Michael Dean and Rando Allikmets

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

3. Nature of Conveyance:
(X) Assignment () Merger
() Security Agreement
() Change of Name
() Other:

Execution Date: May 20, 1998

2. Name and address of receiving party(ies):
Name: United States of America, represented by the
Secretary, Department of Health and Human Services

Internal Address: c/o National Institutes of Health

Street Address: 6011 Executive Boulevard, Suite 325

City Rockville

State Maryland ZIP 20852-3804

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

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.09/032,438 filed 2/27/98 | B. Patent No.(s)

Additional numbers attached? () YES (X) NO

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

Name: Lori Y. Beardell
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:

One

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.

Lori Y. Beardell/34,293
Name of Person Signing/Reg. No.

July 30, 1998
Date

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

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

08/06/1998 TTON11 00000233 09032438

01 FC:581

40.00 BP

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

DOCKET NO.: BYLR-0065

ASSIGNMENT

WHEREAS, Rando Allikmets, Kent L. Anderson, Michael Dean, Mark Leppert, Richard A. Lewis, Yixin Li, James R. Lupski, Jeremy Nathans, Amir Rattner, Noah F. Shroyer, Nanda Singh, Philip Smallwood, and Hui Sun, residing respectively at 5564 Rivendale Place, Frederick, MD 21703, P.O. Box 540071 Houston, TX 77254, 1362 Hitchingpost Lane, Frederick, MD 21703, 1466 Westminster Ave. Salt Lake City, UT 84105, 11223 Hermosa Court, Houston, TX 77024, 4045 Linkwood Dr., Apt. 636, Houston, TX 77025, 11102 Ashcroft, Houston, TX 77096, 5510 S. Bend Rd. Baltimore, MD 21209, 6503 Copper Ridge Dr. Apt 202 Baltimore, MD 21209, 4516 ½ Mt. Vernon Street Houston, TX 77006, 1027 Riches Ave., Salt Lake City UT 84106, 5022 Woodbine Road Woodbine, MD 21797, 906A Hooper Avenue Baltimore, MD 21229, are the joint inventors of a patent application filed in the United States Patent and Trademark Office, identified as Serial No. **90/032,438**, filed **February 27, 1998**, entitled **Nucleic Acid and Amino Acid Sequences for ATP-Binding Cassette Transporter and Methods of Screening for Agents that Modify ATP-Binding Cassette Transporter** (herein called the "Invention"); and

WHEREAS, we Assignors, Michael Dean and Rando Allikmets were employees of the Department of Health and Human Services at the time the invention was made; and

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under Paragraph I (a) of Executive Order 10096, to the Assignors' entire right, title, and interest herein, both domestic and foreign; and

WHEREAS, the Government of the United States is desirous of acquiring the Assignors' domestic and foreign right, title, and interest in the aforesaid invention described in the aforesaid patent application,


NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignors hereby assign and transfer to the United States of America, represented by the Secretary, Department of Health and Human Services, Assignors' full and exclusive rights in and to the said invention in the U.S. and within each and every foreign country in which the Government elects to file and Assignors' entire right, title, and interest in and to such applications, and any continuations, continuations-in-part, divisions, reissues or extensions thereof, and including priority rights as may be filed in the U.S. and foreign countries, and such Letters Patent as have issued or may be granted on continuing applications to be held by the Government to the end of the term for which the same would have been held by Assignors had this assignment not been made.

Assignors further agree to make, execute, and deliver to the Secretary, Department of Health and Human Services, upon request, any and all papers, documents, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patent, and further agree to assist the Government in every way in protecting said invention as may be requested, provided that any expense arising through extending such assistance will be paid by the Government.

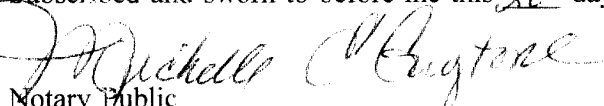
PATENT
REEL: 9359 FRAME: 0565

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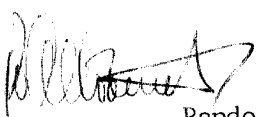
IN WITNESS WHEREOF we subscribe our hands and seals on the dates shown below:

1) Inventor's Name  Date 5/20/98
County of Frederick Michael Dean
State of Maryland

Subscribed and sworn to before me this 20 day of May 1998.


Notary Public

My commission expires: 4/25/98

2) Inventor's Name  Date 5/20/98
County of Frederick Rando Allikmets
State of Maryland

Subscribed and sworn to before me this 20 day of May 1998.


Notary Public

My commission expires: 7/25/98