

06-15-2000

Patent Case No. 19963Y



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

MRD 5.24.00

101381946

ET

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS:
PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. Name(s) of Conveying party(ies):

Richard L. Kendall, Kenneth A. Thomas, Xianzhi Mao and Andrew Tebben

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

2. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date appearing below.

MERCK & CO., INC.

By J. Mark Hand Date 5/22/00
36,545

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

Name: MERCK & Co., INC.

Internal Address: RY60-30

Street Address: P.O. Box 2000

City & State: RAHWAY, NEW JERSEY

Zip/Postal Code: 07065-0907

Execution Date: Jul 31, 1998

Additional name(s) & addresses attached? Yes No

4. Application number(s) or patent number(s) are as follows:

(a) Patent Application No(s). 09/098,707, filed on Jun 17, 1998, and titled: HUMAN RECEPTOR TYROSINE KINASE, KDR

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

Additional numbers attached? Yes No

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

Name: J. Mark Hand

Internal Address: PATENT DEPARTMENT
MERCK & CO., INC.
P.O. BOX 2000 -- RY60-30

City & State: RAHWAY, N.J. Zip: 07065-0907

6. Total no. of applications & patents involved: 1

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

Enclosed

The Commissioner is hereby authorized to charge deposit account number 13-2755 for any fees which may be required or to credit any overpayment.

DO NOT USE THIS SPACE

8. 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.

J. Mark Hand Reg. No. 36,545
Name of Person Signing

J. Mark Hand
Signature

MAY 22, 2000
Date

Total number of pages including cover sheet, attachments, and document: 6

Do Not Detach This Portion

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

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

06/14/2000 DNGUYEN 00000192 132755 09098707

01 FC:581 40.00 CH

Computer generated form Merck & Co., Inc. "Recordal Form" (Assignments Folder) 3/23/00

PATENT
REEL: 010845 FRAME: 0105

ASSIGNMENT AND AGREEMENT

For value received, we, RICHARD L. KENDALL, KENNETH A. THOMAS, XIANZHI MAO, and ANDREW TEBBEN

of 130 Pebble Woods Drive, Doylestown, Pennsylvania 18901;
245 Washington Avenue, Chatham Borough, New Jersey 07928;
108 Park Avenue, Rockledge, Pennsylvania 19046; and
2035 Cody Lane, Harleysville, Pennsylvania 19438; respectively

hereby sell, assign and transfer to MERCK & CO., Inc., a corporation of the State of New Jersey, having an office at Lincoln Avenue, City of Rahway, State of New Jersey, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to HUMAN RECEPTOR TYROSINE KINASE, KDR

described in an application for Letters Patent of the United States, executed by each of us on even date herewith, or executed on the date shown in the Declaration and Power of Attorney relating to said application, and all the rights and privileges, including any and all benefits under the International Convention for the Protection of Industrial Property and related treaties, under any and all Letters Patents which may be granted in any foreign country, and under any and all extensions, divisionals, reissues and continuations of said Letters Patents.

We request that any and all Patents for said inventions be issued to said assignee, its successor, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining Patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

We hereby authorize our attorney, J. Mark Hand or an attorney with Power of Attorney in this application, of the said MERCK & CO., Inc., to insert Serial No., and Filing Date of said application(s) when known.

Signed at West Point, Pennsylvania this 31st day of July 1998
Richard L. Kendall
Richard L. Kendall

Kenneth A. Thomas
Kenneth A. Thomas

Xianzhi Mao
Xianzhi Mao

Andrew Tebben
Andrew Tebben

ASSIGNMENT AND AGREEMENT

Signed at West Point, Pennsylvania this 31st day of July 1998.

COMMONWEALTH OF PENNSYLVANIA }
County of Montgomery } SS.

Personally appeared before me the above-named Richard L. Kendall Xianzhi Mao Kenneth A. Thomas Andrew Tebben

to me known and known to me to be the person(s) who executed the foregoing instrument and acknowledged said instrument to be their free act and deed this 31st day of JULY 1998

Gabrielle A. Gordon
Notary Public

County of _____ } SS.

Notarial Seal
Gabrielle A. Gordon, Notary Public
Upper Gwynedd Twp., Montgomery County
My Commission Expires Nov. 26, 2001
Member, Pennsylvania Association of Notaries

Personally appeared before me the above-named

to me known and known to me to be the person(s) who executed the foregoing instrument and acknowledged said instrument to be their free act and deed this _____ day of _____

Notary Public

ASSIGNMENT AND AGREEMENT

Signed at _____ this _____ day of _____ .

County of _____ } SS.

Personally appeared before me the above-named

to me known and known to me to be the person(s) who executed the foregoing instrument and acknowledged said instrument to be their free act and deed this _____ day of _____ .

Notary Public

Signed at _____ this _____ day of _____ .

County of _____ } SS.

Personally appeared before me the above-named

to me known and known to me to be the person(s) who executed the foregoing instrument and acknowledged said instrument to be their free act and deed this _____ day of _____ .

Notary Public

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: J. M. Williams, et al. .
 Serial No.: 09/093,813 Case No.: 19760 . Art Unit:
 Filed: June 9, 1998 . 1611
 For: Stabilized Carbapenem Intermediates and . Examiner:
 Improved Process for Carbapenem Synthesis . M. Berch

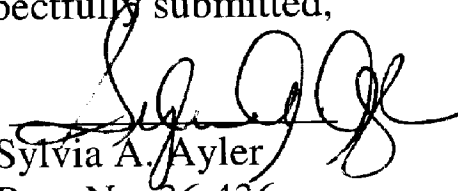
Assistant Commissioner for Patents
 Washington, D.C. 20231

LETTER

This letter is in response to the Notice of Recordation of Assignment Document of April 19, 2000. Applicants would like to bring to the Examiner's attention that the correct date R. T. Skerlj executed the assignment is May 11, 1998. Accordingly, please provide a corrected Notice of Recordation of Assignment Document, which properly reflects the correct signature date.

Respectfully submitted,

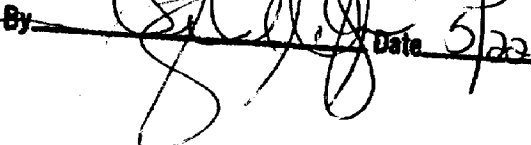
By:


 Sylvia A. Ayler
 Reg. No. 36,436
 Attorney for Applicant(s)

MERCK & CO., INC.
 P.O. Box 2000
 Rahway, New Jersey 07065-0907
 (908) 594-4909

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date appearing below.

MERCK & CO., INC.

By:  Date: 5/22/2000

Date: May 22, 2000

/sb

ASSIGNMENT AND AGREEMENT

For value received, we, JOHN M. WILLIAMS, KAREL M. J. BRANDS, RENATO T. SKERLJ, ULF H. DOLLING AND RONALD B. JOBSON

208-72 West Shearwater Court, Jersey City, 07305;
of 8 MCMANNUS DRIVE, BELLE MEAD, NEW JERSEY 08502; ~~222 GRAND STREET, APT 4D, HOBOKEN, NEW JERSEY 07030;~~
1936 18TH STREET, APT. K102, BELLINGHAM, WASHINGTON, 98225; 641 4TH AVENUE, WESTFIELD, NEW JERSEY 07090;
AND 26 SHERIDAN AVENUE, EAST BRUNSWICK, NEW JERSEY 08816 RESPECTIVELY

hereby sell, assign and transfer to MERCK & CO., Inc., a corporation of the State of New Jersey, having an office at Lincoln Avenue, City of Rahway, State of New Jersey, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to
STABILIZED CARBAPENEM INTERMEDIATES AND IMPROVED PROCESS FOR CARBAPENEM SYNTHESIS

described in an application for Letters Patent of the United States, executed by each of us on even date herewith, or executed on the date shown in the Declaration and Power of Attorney relating to said application, and all the rights and privileges, including any and all benefits under the International Convention for the Protection of Industrial Property and related treaties, under any and all Letters Patents which may be granted in any foreign country, and under any and all extensions, divisionals, reissues and continuations of said Letters Patents.

We request that any and all Patents for said inventions be issued to said assignee, its successor, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining Patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

We hereby authorize our attorney, SYLVIA A. AYLER or an attorney with Power of Attorney in this application, of the said MERCK & CO., Inc., to insert **Serial No.**, and **Filing Date** of said application(s) when known.

Signed at MERCK & CO., INC this 4th day of June 1998

John M Williams
JOHN M. WILLIAMS
Ulf H Dolling
ULF H. DOLLING

Karel M. J. Brands
KAREL M. J. BRANDS
Renato T. Skerlj
RENATO T. SKERLJ
Ronald B. Jobson

ASSIGNMENT AND AGREEMENT

Signed at The City of Langley, B.C., CANADA this 11th day of May 1998

Renato T. Skerlj
RENATO T. SKERLJ

STATE OF NEW JERSEY
County of UNION } SS.

Personally appeared before me the above-named JOHN M. WILLIAMS ULF H. DOLLING KAREL M. J. BRANDS

to me known and known to me to be the person(s) who executed the foregoing instrument and acknowledged said instrument to be their free act and deed this 4th day of June 1998

Sylvia G. Brown
Notary Public
SYLVIA G. BROWN
Notary Public of New Jersey
My Commission Expires June 9, 1999

PROVINCE OF B.C.
STATE OF WASHINGTON }
County of WESTMINSTER } SS.
CITY OF LANGLEY, B.C.
CANADA

Personally appeared before me the above-named RENATO T. SKERLJ

to me known and known to me to be the person(s) who executed the foregoing instrument and acknowledged said instrument to be their free act and deed this 11th day of May 1998

David R. Thompson
Notary Public

DAVID R. THOMPSON
Barrister & Solicitor
20450 Fraser Highway
Langley, BC V3A 4G2

WITNESSED AS TO
EXECUTION ONLY. NO
ADVICE GIVEN NOR
SOUGHT.

ASSIGNMENT AND AGREEMENT
Rahway, New Jersey

Signed at Rahway, New Jersey this 18 day of MAY 1998
[Signature]
RONALD B. JOBSON

STATE OF NEW JERSEY
County of Union } SS.

Personally appeared before me the above-named RONALD B. JOBSON

to me known and known to me to be the person(s) who executed the foregoing instrument and acknowledged said instrument to be their free act and deed this 18th day of May, 1998

GERALDINE EMERICK
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Feb. 20, 2000

[Signature]
Notary Public

Signed at _____ this _____ day of _____

County of _____ } SS.

Personally appeared before me the above-named

to me known and known to me to be the person(s) who executed the foregoing instrument and acknowledged said instrument to be their free act and deed this _____ day of _____

Notary Public

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

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MERCK & CO., INC.

By J. Mark Hand Date 5/22/00
1226-111-36, 545

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City & State: RAHWAY, NEW JERSEY

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Internal Address: PATENT DEPARTMENT
MERCK & CO., INC.
P.O. BOX 2000 -- RY60-30

City & State: RAHWAY, N.J. Zip: 07065-0907

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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.

J. Mark Hand Reg. No. 36,545
Name of Person Signing

J. Mark Hand
Signature

MAY 22, 2000
Date

Total number of pages including cover sheet, attachments, and document: 6

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Washington, D.C. 20231**