

mm 2/25/00

04-05-2000

Patent Case No. 20054Y



U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

101305624

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

1. Name(s) of Conveying party(ies):  
Mark s. Jensen, Chunhua Yang, Nouyoshi Yasuda

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

2. Nature of conveyance:  Assignment  Merger  Security Agreement  Change of Name  Other:

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

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.

By Sylvia A. Ayler Date 2/24/00

Execution Date: Sep 22, 1998 Additional name(s) & addresses attached?  Yes  No

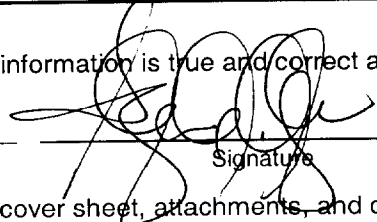
4. Application number(s) or patent number(s) are as follows:  
(a) Patent Application No(s). 09/159,158, filed on Sep 23, 1998, and titled:  
PROCESS FOR THE SYNTHESIS OF CARBAPENEM INTERMEDIATES, AND COMPOUNDS PRODUCED  
(b) If this document is being filed together with a new application, the execution date of the application: \_\_\_\_\_ Additional numbers attached?  Yes  No

5. Name & address of party to whom correspondence concerning documents should be mailed:  
Name: SYLVIA A. AYLER  
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.  
SYLVIA A. AYLER Reg. No. 36,436  
Name of Person Signing  Date 2/24/2000  
Total number of pages including cover sheet, attachments, and document: 3

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

04/05/2000 TTON11 0000067 132755 09159158

Computer generated form Merck & Co., Inc. "Recordal Form" (Assignments Folder) 11/10/99

01 FC:581 40.00 CH

PATENT  
REEL: 010649 FRAME: 0528

ASSIGNMENT AND AGREEMENT

For value received, we, MARK S. JENSEN, CHUNHUA YANG, NOBUYOSHI YASUDA

of 4 MAYFAIR ROAD, HOLMDEL 07733; 53 KAREN PLACE, EDISON 08817; 225 OAK TREE ROAD, MOUNTAINSIDE 07092  
ALL IN NEW JERSEY 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  
PROCESS FOR THE SYNTHESIS OF CARBAPENEM INTERMEDIATES, AND COMPOUNDS PRODUCED

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 representa-  
tives, 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 22nd day of September 1998.

Mark S. Jensen  
MARK S. JENSEN  
NOBUYOSHI YASUDA  
NOBUYOSHI YASUDA

Chunhua Yang  
CHUNHUA YANG

ASSIGNMENT AND AGREEMENT

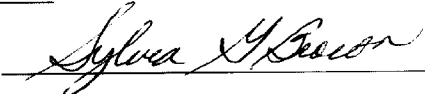
Signed at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STATE OF NEW JERSEY }  
County of UNION } SS.

Personally appeared before me the above-named MARK S. JENSEN NOBUYOSHI YASUDA CHUNHUA YANG

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 22nd day of September 1998

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

\_\_\_\_\_  
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