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Patent Case No. 19998

U.S. DEPARTMENT OF COMMERCE
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K. M. J. BRANDS ET AL.

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

2. Nature of conveyance:

☒ Assignment

☐ Merger

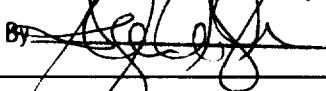
☐ Security Agreement

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MERCK & CO., INC.

By  Date 8/2/99

Execution Date: Jun 4, 1998

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: 07065-0907

Additional name(s) & addresses attached? ☐ Yes ☒ No

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

(a) Patent Application No(s). 09/102,449, filed on Jun 22, 1998, and titled:

CRYSTALLINE FORMS OF ANTIBIOTIC SIDE CHAIN INTERMEDIATES

(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.

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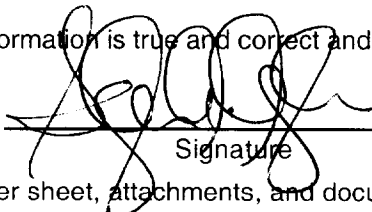
8. Statement and signature:

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



Signature

8/2/99

Date

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PATENT
REEL: 010141 FRAME: 0742

U.S. Serial No. 19/102449

Filing Date 6-22-98

ASSIGNMENT AND AGREEMENT

For value received, we, Karel M. J. Brands and Ronald B. Jobson

of 208-72 West Shearwater Court, Jersey City, 07305; and 26 Sheridan Avenue, East Brunswick 08816 both 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 SYNTHESIZING CARBAPENEM SIDE CHAIN INTERMEDIATES

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.


Karel M. J. Brands

ASSIGNMENT AND AGREEMENT

Signed at Rahway, New Jersey this 18 day of 1998

[Signature]
Karel M. J. Brands

[Signature]
Ronald B. Jobson

County of } SS.

Personally appeared before me the above-named 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

[Signature]
SYLVIA G. BROWN
Notary Public of New Jersey
My Commission Expires June 9, 1999

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

[Signature]
GERALDINE EMERICK
Notary Public

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