

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

| SUBMISSION TYPE:                                                                                                                                                                                                                                                                                           | CORRECTIVE ASSIGNMENT                                                                                                                                                                                                                                                                   |               |                          |                                 |                            |       |         |                |                          |              |       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|---------------------------------|----------------------------|-------|---------|----------------|--------------------------|--------------|-------|
| NATURE OF CONVEYANCE:                                                                                                                                                                                                                                                                                      | Corrective Assignment to correct the To correct the recordal cover sheet recorded under Reel/Frame 010121/0451 to correct patent number from US 5636719 to US 5616719 previously recorded on Reel 010121 Frame 0451. Assignor(s) hereby confirms the Assignment of Assignor's Interest. |               |                          |                                 |                            |       |         |                |                          |              |       |
| CONVEYING PARTY DATA                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                         |               |                          |                                 |                            |       |         |                |                          |              |       |
| <table border="1"><tr><th>Name</th><th>Execution Date</th></tr><tr><td>Behringwerke Aktiengesellschaft</td><td>07/21/1997</td></tr></table>                                                                                                                                                                |                                                                                                                                                                                                                                                                                         | Name          | Execution Date           | Behringwerke Aktiengesellschaft | 07/21/1997                 |       |         |                |                          |              |       |
| Name                                                                                                                                                                                                                                                                                                       | Execution Date                                                                                                                                                                                                                                                                          |               |                          |                                 |                            |       |         |                |                          |              |       |
| Behringwerke Aktiengesellschaft                                                                                                                                                                                                                                                                            | 07/21/1997                                                                                                                                                                                                                                                                              |               |                          |                                 |                            |       |         |                |                          |              |       |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                         |               |                          |                                 |                            |       |         |                |                          |              |       |
| <table border="1"><tr><td>Name:</td><td>Behring Diagnostics GmbH</td></tr><tr><td>Street Address:</td><td>Emil-Von-Behringstrasse 76</td></tr><tr><td>City:</td><td>Marburg</td></tr><tr><td>State/Country:</td><td>FEDERAL REPUBLIC GERMANY</td></tr><tr><td>Postal Code:</td><td>35001</td></tr></table> |                                                                                                                                                                                                                                                                                         | Name:         | Behring Diagnostics GmbH | Street Address:                 | Emil-Von-Behringstrasse 76 | City: | Marburg | State/Country: | FEDERAL REPUBLIC GERMANY | Postal Code: | 35001 |
| Name:                                                                                                                                                                                                                                                                                                      | Behring Diagnostics GmbH                                                                                                                                                                                                                                                                |               |                          |                                 |                            |       |         |                |                          |              |       |
| Street Address:                                                                                                                                                                                                                                                                                            | Emil-Von-Behringstrasse 76                                                                                                                                                                                                                                                              |               |                          |                                 |                            |       |         |                |                          |              |       |
| City:                                                                                                                                                                                                                                                                                                      | Marburg                                                                                                                                                                                                                                                                                 |               |                          |                                 |                            |       |         |                |                          |              |       |
| State/Country:                                                                                                                                                                                                                                                                                             | FEDERAL REPUBLIC GERMANY                                                                                                                                                                                                                                                                |               |                          |                                 |                            |       |         |                |                          |              |       |
| Postal Code:                                                                                                                                                                                                                                                                                               | 35001                                                                                                                                                                                                                                                                                   |               |                          |                                 |                            |       |         |                |                          |              |       |
| PROPERTY NUMBERS Total: 1                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                         |               |                          |                                 |                            |       |         |                |                          |              |       |
| <table border="1"><tr><th>Property Type</th><th>Number</th></tr><tr><td>Patent Number:</td><td>5616719</td></tr></table>                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                         | Property Type | Number                   | Patent Number:                  | 5616719                    |       |         |                |                          |              |       |
| Property Type                                                                                                                                                                                                                                                                                              | Number                                                                                                                                                                                                                                                                                  |               |                          |                                 |                            |       |         |                |                          |              |       |
| Patent Number:                                                                                                                                                                                                                                                                                             | 5616719                                                                                                                                                                                                                                                                                 |               |                          |                                 |                            |       |         |                |                          |              |       |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                         |               |                          |                                 |                            |       |         |                |                          |              |       |
| Fax Number: (847)267-5376<br><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                         |               |                          |                                 |                            |       |         |                |                          |              |       |
| Phone: 3026310360                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                         |               |                          |                                 |                            |       |         |                |                          |              |       |
| Email: cynthia.g.tymeson@siemens.com                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                         |               |                          |                                 |                            |       |         |                |                          |              |       |
| Correspondent Name: Cynthia G. Tymeson                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                         |               |                          |                                 |                            |       |         |                |                          |              |       |
| Address Line 1: 1717 Deerfield Road                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                         |               |                          |                                 |                            |       |         |                |                          |              |       |
| Address Line 4: Deerfield, ILLINOIS 60015                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                         |               |                          |                                 |                            |       |         |                |                          |              |       |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                    | BEH-7263 DIV                                                                                                                                                                                                                                                                            |               |                          |                                 |                            |       |         |                |                          |              |       |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                         | Maria G. Salgado                                                                                                                                                                                                                                                                        |               |                          |                                 |                            |       |         |                |                          |              |       |
| Total Attachments: 34<br>source=7263ExhibitC#page1.tif<br>source=7263ExhibitC#page2.tif                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                         |               |                          |                                 |                            |       |         |                |                          |              |       |

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PATENT  
REEL: 021754 FRAME: 0194

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Exhibit C

Exhibit C (a)



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

SEPTEMBER 30, 1999

PTAS



\*101106654A\*

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OCT 14 1999

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NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/29/1999

REEL/FRAME: 010121/0451  
NUMBER OF PAGES: 27

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BEHRINGWERKE AKTIENGESELLSCHAFT

DOC DATE: 07/21/1997

ASSIGNEE:

BEHRING DIAGNOSTICS GMBH  
EMIL-VON-BEHRINGSTRASSE 76  
MARBURG, FED REP GERMANY 35001

SERIAL NUMBER: 08401827  
PATENT NUMBER:

FILING DATE: 03/10/1995  
ISSUE DATE:

SERIAL NUMBER: 08402296  
PATENT NUMBER:

FILING DATE: 03/10/1995  
ISSUE DATE:

SERIAL NUMBER: 08432616  
PATENT NUMBER: 5629157

FILING DATE: 05/02/1995  
ISSUE DATE: 05/13/1997

SERIAL NUMBER: 08433853  
PATENT NUMBER:

FILING DATE: 05/02/1995  
ISSUE DATE:

PATENT  
REEL: 021754 FRAME: 0196

SERIAL NUMBER: 08438149  
PATENT NUMBER:

FILING DATE: 05/09/1995  
ISSUE DATE:

SERIAL NUMBER: 08450744  
PATENT NUMBER: 5686253

FILING DATE: 05/25/1995  
ISSUE DATE: 11/11/1997

SERIAL NUMBER: 08450963  
PATENT NUMBER:

FILING DATE: 05/25/1995  
ISSUE DATE:

SERIAL NUMBER: 08451706  
PATENT NUMBER:

FILING DATE: 05/26/1995  
ISSUE DATE:

SERIAL NUMBER: 08452915  
PATENT NUMBER:

FILING DATE: 05/30/1995  
ISSUE DATE:

SERIAL NUMBER: 08453860  
PATENT NUMBER: 5622870

FILING DATE: 05/30/1995  
ISSUE DATE: 04/22/1997

SERIAL NUMBER: 08455424  
PATENT NUMBER: 5840508

FILING DATE: 05/31/1995  
ISSUE DATE: 11/24/1998

SERIAL NUMBER: 08455920  
PATENT NUMBER: 5670690

FILING DATE: 05/31/1995  
ISSUE DATE: 09/23/1997

SERIAL NUMBER: 08469758  
PATENT NUMBER: 5781668

FILING DATE: 06/06/1995  
ISSUE DATE: 07/14/1998

578

SERIAL NUMBER: 08471130  
PATENT NUMBER:

FILING DATE: 06/06/1995  
ISSUE DATE:

SERIAL NUMBER: 08479743  
PATENT NUMBER: 5807675

FILING DATE: 06/07/1995  
ISSUE DATE: 09/15/1998

SERIAL NUMBER: 08480430  
PATENT NUMBER:

FILING DATE: 06/06/1995  
ISSUE DATE:

SERIAL NUMBER: 08486284  
PATENT NUMBER:

FILING DATE: 06/06/1995  
ISSUE DATE:

SERIAL NUMBER: 08486301  
PATENT NUMBER: 5882867

FILING DATE: 06/07/1995  
ISSUE DATE: 03/16/1999

SERIAL NUMBER: 08487313  
PATENT NUMBER:

FILING DATE: 06/07/1995  
ISSUE DATE:

SERIAL NUMBER: 07650314  
PATENT NUMBER:

FILING DATE: 02/04/1991  
ISSUE DATE:

SERIAL NUMBER: 08660029  
PATENT NUMBER: 5780646

FILING DATE: 06/06/1996  
ISSUE DATE: 07/14/1998

SERIAL NUMBER: 08664269  
PATENT NUMBER: 5936070

FILING DATE: 06/11/1996  
ISSUE DATE: 08/10/1999

010121/0451 PAGE 4

SERIAL NUMBER: 08373953  
PATENT NUMBER: 5636719

*A*

FILING DATE: 01/17/1995  
ISSUE DATE: 06/10/1997

SERIAL NUMBER: 08471131  
PATENT NUMBER: 5536834

FILING DATE: 06/06/1995  
ISSUE DATE: 07/16/1996

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

08-02-1999



101106654

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

EXHIBIT CCB  
ORIGINAL

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type **7-29-99**

☒ New

☐ Resubmission (Non-Recordation)

Document ID#

☐ Correction of PTO Error

Reel #

Frame #

☐ Corrective Document

Reel #

Frame #

**Conveyance Type**

☒ Assignment

☐ Security Agreement

☐ License

☐ Change of Name

☐ Merger

☐ Other

**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)

☐ Departmental File

☐ Secret File

**Conveying Party(ies)**

☐ Mark if additional names of conveying parties attached

Name (line 1)

Behringwerke Aktiengesellschaft

Execution Date  
Month Day Year  
07 21 97

Name (line 2)

**Second Party**

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

**Receiving Party**

☐ Mark if additional names of receiving parties attached

Name (line 1)

Behring Diagnostics GmbH

☒ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Emil-von-Behringstrasse 76

Address (line 2)

Address (line 3)

Marburg

City

Germany  
State/Country

35001  
Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Lois Ruszala

Address (line 1)

Dade Behring Inc.

Address (line 2)

P.O. Box 778

Address (line 3)

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Address (line 4)

Deerfield, IL 60015

07/30/1999 DNGUYEN 00000168 040010 4481295

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1680 E

01 FC:581 1680.00 CH

**Correspondent Name and Address**

Area Code and Telephone Number

847 267-5300

Name

Lois K. Ruszala

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Dade Behring Inc.

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P.O. Box 778

Address (line 3)

1717 Deerfield Road

Address (line 4)

Deerfield, IL 60015

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

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**Application Number(s) or Patent Number(s)**



Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

**Number of Properties**

Enter the total number of properties involved.

#

42

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

\$1680.00

Method of Payment:

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Enclosed ☐

Deposit Account ☒

Deposit Account Number:

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04-0010

Authorization to charge additional fees:

Yes



No



**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. Charges to deposit account are authorized, as indicated herein.

Lois K. Ruszala

Name of Person Signing

Lois K. Ruszala

Signature

July 1999

Date

U.S. Patents:

5536644  
5620657  
5545834  
5637467  
5636719  
5536834

- *incurred*

and

U.S. Patent Applications:

08/401827  
08/402296  
08/432616  
08/433853  
08/438149  
08/450744  
08/450963  
08/451706  
08/452915  
08/453860  
08/455424  
08/455920  
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08/471130  
08/479743  
08/480430  
08/486284  
08/486301  
08/487313  
07/650314  
08/660029  
08/664269  
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08/445464  
08/450609  
08/451161  
08/470862  
08/472599  
08/476394  
08/479745  
08/480633  
08/487946  
08/520461  
08/550169  
08/051512  
08/044561

08/469578

DESIGNATION OF DOMESTIC REPRESENTATIVE

RE: U.S. Patents:

5536644  
5620657  
5545834  
5637467  
5636719  
5536834

and

U.S. Patent Applications:

08/401827  
08/402296  
08/432616  
08/433853  
08/438149  
08/450744  
08/450963  
08/451706  
08/452915  
08/453860  
08/455424  
08/455920  
~~08/469758~~ 08/469578  
08/471130  
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08/479745  
08/480633  
08/487946  
08/520461  
08/550169  
08/051512  
08/044561

Behring Diagnostics GmbH, now by change of name Dade Behring  
Marburg GmbH, hereby designates:

Lois K. Ruzala  
Dade Behring Inc.  
P.O. Box 778, 1717 Deerfield Road  
Deerfield, IL 60015 USA

as domestic representative, on whom may be served process or notice of  
proceedings affecting the patents or rights thereunder.

July 23, 1999

By: Lois K. Ruzala

Lois K. Ruzala, Authorized Signatory

**PATENT**

**REEL: 021754 FRAME: 0202**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Patents and patent applications of Behringwerke AG as listed on Schedules A and B, respectively, attached hereto.

DECLARATION OF PROF. UWE BICKER AND GÜNTHER VEITH

The undersigned, Prof. Uwe Bicker and Günther Veith, state:

1. We are employees of Behring Diagnostics GmbH, a corporation organized and existing under the laws of Germany ("Behring Diagnostics") and are authorized to make this declaration.
2. Behring Diagnostics and Behringwerke AG, a corporation organized and existing under the laws of Germany ("Behringwerke") are parties to an Agreement on Contribution to Capital dated as of July 21, 1997 ("Contribution Agreement"), providing for the transfer of certain assets of Behringwerke to Behring Diagnostics.
3. As part of the Contribution Agreement, Behringwerke and Behring Diagnostics are parties to an Intellectual Property Transfer Agreement ("IP Transfer Agreement") pursuant to which Behringwerke transferred and assigned to Behring Diagnostics worldwide ownership of the Intellectual Property as defined in Section 1 of the IP Transfer Agreement. Such Intellectual Property included in the United States patents listed on Schedule A attached hereto and the United States patent applications listed on Schedule B attached hereto (collectively, the "Patents"), each of which are incorporated herein.
4. We were each employees of Behring Diagnostics at the time of the execution of the Contribution Agreement.
5. To the best of our knowledge and belief, Behring Diagnostics is the current owner of the Patents.

6. To the best of our knowledge and belief, no formal assignment of the Patents has been recorded with the United States Patent and Trademark Office.

7. Behringwerke, a former affiliate of Hoechst AG, has been merged into Hoechst AG with legal effect as of July 31, 1997. As a result of such merger, there are no longer any duly authorized officers of Behringwerke who can execute additional assignment document for recordal in the U.S. Patent and Trademark Office.

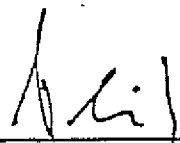
8. It is respectfully requested that the records in the United States Patent and Trademark Office be amended to indicate ownership of the patents listed on Schedule A attached hereto and the patent applications listed on Schedule B attached hereto on the name of Behring Diagnostics GmbH, a corporation organized under the law of Germany, nunc pro tunc effective July 21, 1997.

9. I hereby swear, under penalty of perjury, that the foregoing is true and correct.

Executed this on 30<sup>th</sup> of September, 1997

BEHRING DIAGNOSTICS GmbH

  
Name: Prof. Uwe Bicker

  
Name: Günther Veith

SCHEDULE A  
(ISSUED APPLICATIONS)

| <u>HOE NO</u> | <u>MA-NO</u> | <u>FILING DATE</u> | <u>APP NO.</u> | <u>PATENT NO.</u> | <u>ATTORNEY</u> |
|---------------|--------------|--------------------|----------------|-------------------|-----------------|
| 1979/B008     | MA0362       | 6/27/80            |                | 4481295           | CURTIS          |
| 1978/B009     | MA0306       | 8/16/79            |                | 4296201           | CURTIS          |
| 1978/B010     | MA0340       | 9/12/79            |                | 4290771           | CURTIS          |
| 1978/B012     | MA0335       | 9/27/79            |                | 4301064           | CURTIS          |
| 1979/B006     | MA0358       | 5/5/80             |                | 4305925           | CURTIS          |
| 1979/B009     | MA0360       | 7/17/80            |                | 4331766           | CURTIS          |
| 1979/B012     | MA0367       | 8/14/80            |                | 4308204           | CURTIS          |
| 1979/B013     | MA0370       | 9/10/80            |                | 4345911           | CURTIS          |
| 1981/B013     | MA0405       | 3/26/84            | 593301         | 4563431           | CURTIS          |
| 1981/B013     | MA0405       | 11/12/82           | 440986         | 4448908           | CURTIS          |
| 1977/D009     | MA0349       | 6/21/78            |                | 4161507           | CURTIS          |
| 1977/B015     | MA0301       | 7/13/78            |                | 4239743           | CURTIS          |
| 1977/B009     | MA0298       | 4/14/78            |                | 4217339           | CURTIS          |
| 1977/B008     | MA0288       | 4/20/78            |                | 4297274           | CURTIS          |
| 1976/B024     | MA0263       | 9/29/77            |                | 4312942           | CURTIS          |
| 1976/B021     | MA0285       | 9/22/77            |                | 4166106           | CURTIS          |
| 1976/B019     | MA0279       | 9/6/77             |                | 4254021           | CURTIS          |
| 1981/B011     | MA0408       | 9/30/82            |                | 4510126           | CURTIS          |
| 1975/B004     | MA0215       | 6/8/76             |                | 4245039           | CURTIS          |
| 1977/B007     | MA0292       | 4/20/78            |                | 4309339           | CURTIS          |
| 1977/B011     | MA0297       | 5/11/78            |                | 4172049           | CURTIS          |
| 1977/B012     | MA0299       | 6/13/78            |                | 4269825           | CURTIS          |
| 1977/D013     | MA0352       | 7/20/78            |                | 4184850           | CURTIS          |
| 1979/B003     | MA0353       | 1/26/82            |                | 4411988           | CURTIS          |

INBAIN-DBAIDADEBEHRNOPATENACHT

SCHEDULE A  
(ISSUED APPLICATIONS continued)

| <u>HOE NO</u> | <u>MA-NO</u> | <u>FILING DATE</u> | <u>APP NO.</u> | <u>PATENT NO.</u> | <u>ATTORNEY</u> |
|---------------|--------------|--------------------|----------------|-------------------|-----------------|
| 1979/B014     | MA0372       | 11/14/80           |                | 4325866           | CURTIS          |
| 1979/B015     | MA0378       | 11/29/80           |                | 4348316           | CURTIS          |
| 1980/B002     | MA0361       | 11/25/83           |                | 4563421           | CURTIS          |
| 1980/B004     | MA0381       | 3/20/81            |                | 4405721           | CURTIS          |
| 1980/B008     | MA0383       | 6/4/81             |                | 4382062           | CURTIS          |
| 1980/B009     | MA0373       | 7/2/81             |                | 4372746           | CURTIS          |
| 1980/B016     | MA0388       | 11/16/81           |                | 4453406           | CURTIS          |



STATUS NOT - (11)  
INDEX OF ASSIGNMENT

COPY ON

APPLICATION NUMBER

PATENT NUMBER

INT. DATE

EXPIRES

DKT

CITY

AGENCY

BHQA 531622

BHQA 555323

BHQA 555968

BHQA 611528

BHQA 722964

BHQA 814168

BHQA 866824

BHQA 874859

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| STVA    | 591761             | 4629693       | 16DEC1986 | 27MAY2006 | 00021160 | USA |       |
| STVA    | 649248             | 4168146       | 18MAY1979 | 18MAY1996 | 00020750 | USA |       |
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| STVA    | 716032             | 4121975       | 24DEC1978 | 20MAY1996 | 00020520 | USA |       |
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| STVA    | 736485             | 4649338       | 18JUL1989 | 06MAY2002 | 00023240 | USA |       |
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| STVA    | 751805             | 4130462       | 19DEC1978 | 16MAY1996 | 00020550 | USA |       |
| STVA    | 751830             | 4161515       | 17JUL1979 | 17MAY1996 | 00020250 | USA |       |
| STVA    | 760499             | 4191613       | 04MAY1990 | 04MAY1997 | 00020040 | USA |       |
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| STVA    | 821765             | 4160016       | 03JUL1979 | 16MAY1997 | 00020270 | USA |       |
| STVA    | 826177             | 4774191       | 27MAY1988 | 27MAY2005 | 00020940 | USA |       |
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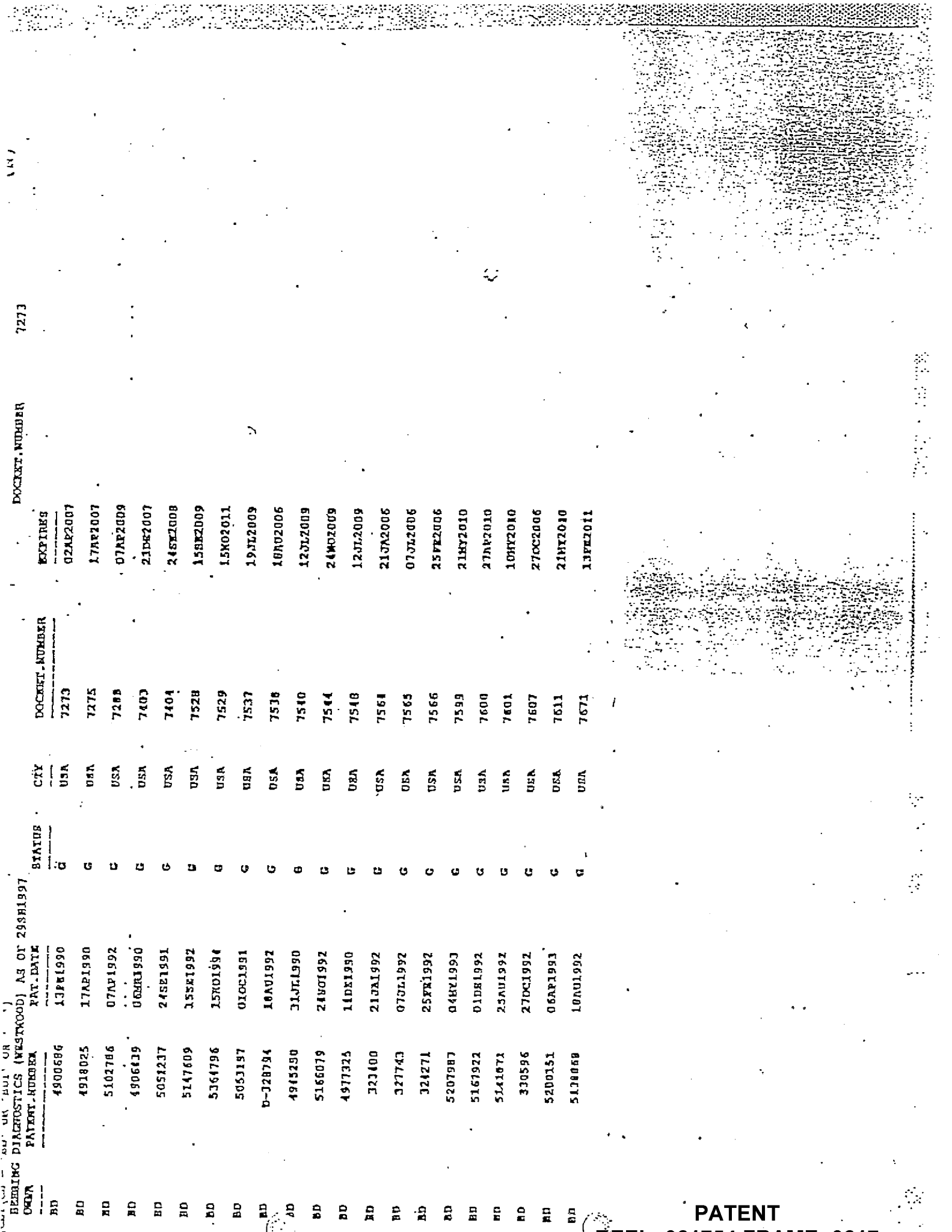
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| SYM   | 267616             | 5405741       | 11AP1995  | 11AP2012 | 00026140 |        | USA |        |
| SYM   | 27868E             | 5083181       | 18PX1991  | 06JH2006 | 00015000 |        | USA |        |
| SYM   | 278870             | 5116095       | 04AD1992  | 04AD2009 | 00026140 |        | USA |        |
| SYM   | 289998             | 5063165       | 05NO1991  | 22DH2008 | 00026520 |        | USA |        |
| SYM   | 290487             | 5115863       | 04AD1992  | 04AD2009 | 00016550 |        | USA |        |
| SYM   | 299060             | 5468647       | 21NO1995  | 28JH2010 | 00026160 |        | USA |        |
| SYM   | 303890             | 4939152       | 03JL1990  | 10SH2007 | 00026260 |        | USA |        |
| SYM   | 321651             | 5462875       | 11OC1995  | 11OC2012 | 00026260 |        | USA |        |
| SYM   | 326110             | 4951884       | 20AD1990  | 28AD2007 | 00026150 |        | USA |        |
| SYM   | 331610             | 4409325       | 11OC1981  | 11OC2000 | 00020850 |        | USA |        |
| SYM   | 376721             | 5164294       | 17NO1992  | 13AD2008 | 00026160 |        | USA |        |
| SYM   | 380176             | 5117808       | 11AD1992  | 07AP2007 | 00026070 |        | USA |        |
| SYM   | 400417             | 5451517       | 19SH1995  | 21JH2011 | 00047330 |        | USA |        |
| SYM   | 401660             | 5536641       | 14MY1996  | 14MY2013 | 00026420 |        | USA |        |
| SYM   | 431617             | 5610732       | 08NO1997  | 08AP2014 | 00017630 |        | USA |        |
| SYM   | 434761             | 4350017       | 23OC1985  | 29OC2002 | 00023290 |        | USA |        |
| SYM   | 436053             | 5624809       | 29AP1997  |          | 00026360 |        | USA |        |
| SYM   | 436770             | 4532203       | 10JL1985  | 26OC2002 | 00013910 |        | USA |        |
| SYM   | 482124             | 4564277       | 22AP1986  | 22AP2003 | 00041950 |        | USA |        |
| SYM   | 495851             | 4496479       | 29JH1985  | 18MY2003 | 00091960 |        | USA |        |
| SYM   | 498065             | 5033150       | 07MY1991  | 07MY2008 | 00026180 |        | USA |        |
| SYM   | 518380             | 5071766       | 10DX1991  | 10DX2008 | 00026160 |        | USA |        |
| SYM   | 522887             | 4629691       | 16MR1986  | 16MX2003 | 00092030 |        | USA |        |
| SYM   | 523084             | 5156952       | 20OC1992  | 09JH2008 | 00015770 |        | USA |        |
| SYM   | 531872             | 4502791       | 19AP1986  | 07OC2003 | 00091980 |        | USA |        |
| SYM   | 540164             | 4596760       | 24JH1986  | 03NO2003 | 00091910 |        | USA |        |
| SYM   | 548165             | 4538327       | 10JL1985  | 02NO2003 | 00092060 |        | USA |        |

STATUS NOT - (11)  
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| SYM     | 549522             | 4617264       | 140C1986  | 0402003  | 00092050  |       | USA |        |
| SYM     | 542155             | 4660620       | 26041987  | 26042004 | 00091970  |       | USA |        |
| SYM     | 549183             | 4560801       | 24041985  | 13042004 | 00092140  |       | USA |        |
| SYM     | 589420             | 4727022       | 23041988  | 23042005 | 00092040  |       | USA |        |
| SYM     | 591155             | 4757004       | 12041988  | 12042005 | 00092110  |       | USA |        |
| SYM     | 597492             | 4551175       | 05041985  | 23042004 | 00092020  |       | USA |        |
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| SYM     | 599186             | 4756828       | 11041988  | 11042005 | 00092100  |       | USA |        |
| SYM     | 613709             | 4795822       | 03041989  | 03042006 | 00092010  |       | USA |        |
| SYM     | 614180             | 5273879       | 26041991  | 26042010 | 00092220  |       | USA |        |
| SYM     | 621301             | 4658111       | 31041987  | 15042004 | 000924450 |       | USA |        |
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| SYM     | 672546             | 0291109       | 04041987  | 04042001 | 000924640 |       | USA |        |
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| SYM     | 680835             | 5145774       | 08041992  | 08042009 | 000925430 |       | USA |        |
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| SYM     | 730234             | 0194007       | 22041988  | 22042002 | 000924640 |       | USA |        |
| SYM     | 732471             | 4737456       | 22041988  | 09042005 | 000924910 |       | USA |        |
| SYM     | 733013             | 4617395       | 06041989  | 06042006 | 000925000 |       | USA |        |
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| 77186   | 4864104            |               | 19871189  | 19871189 | 00025110 | USA   | USA |       |
| 771401  | 4806448            |               | 21781989  | 21781989 | 00025200 | USA   | USA |       |
| 794751  | 5289230            |               | 01481994  | 19871189 | 00027470 | USA   | USA |       |
| 802683  | 4190486            |               | 26871980  | 26871980 | 00020030 | USA   | USA |       |
| 833659  | 5089188            |               | 18781992  | 18781992 | 00091900 | USA   | USA |       |
| 837526  | 5401649            |               | 28881995  | 28881995 | 00026240 | USA   | USA |       |
| 857883  | 5272054            |               | 21081993  | 21081993 | 00027540 | USA   | USA |       |
| 866821  | 4742010            |               | 03101988  | 23872006 | 00025480 | USA   | USA |       |
| 876772  | 4220722            |               | 02881980  | 10781998 | 00020850 | USA   | USA |       |
| 881987  | 5170993            |               | 06081994  | 06081994 | 00026140 | USA   | USA |       |
| 898559  | 4772697            |               | 20881988  | 20881988 | 00092030 | USA   | USA |       |
| 916568  | 5328828            |               | 12081994  | 12081994 | 00026550 | USA   | USA |       |
| 916777  | 5221441            |               | 19081993  | 19081993 | 00025760 | USA   | USA |       |
| 919404  | 4975218            |               | 04081990  | 04081990 | 00024450 | USA   | USA |       |
| 928133  | 5070550            |               | 09081991  | 09081991 | 00025770 | USA   | USA |       |
| 940137  | 5334933            |               | 02081994  | 02081994 | 00026360 | USA   | USA |       |



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| BD 4900586    | 13PM1990  | G      | USA  | 7273          | 02AP2007  | 7273          |
| BD 4918025    | 17AP1990  | G      | USA  | 7275          | 17AP2007  |               |
| BD 5102786    | 07AP1992  | G      | USA  | 7288          | 07AP2009  |               |
| BD 4906639    | 06AP1990  | G      | USA  | 7403          | 21AP2007  |               |
| BD 5051237    | 24SE1991  | G      | USA  | 7404          | 24SE2008  |               |
| BD 5147609    | 15SE1992  | G      | USA  | 7528          | 15SE2009  |               |
| BD 5364796    | 15NO1994  | G      | USA  | 7529          | 15NO2011  |               |
| BD 5053197    | 01OC1991  | G      | USA  | 7537          | 19JL2009  |               |
| BD 5-328794   | 10AU1992  | G      | USA  | 7538          | 10AU2006  |               |
| BD 4945290    | 31JL1990  | G      | USA  | 7540          | 12JL2009  |               |
| BD 5166079    | 24NO1992  | G      | USA  | 7544          | 24NO2009  |               |
| BD 4977323    | 14DE1990  | G      | USA  | 7548          | 12JL2009  |               |
| BD 323400     | 21JAL1992 | G      | USA  | 7564          | 21JAL2006 |               |
| BD 327743     | 07JL1992  | G      | USA  | 7565          | 07JL2006  |               |
| BD 324271     | 25FE1992  | G      | USA  | 7566          | 25FE2006  |               |
| BD 5207987    | 04AP1993  | G      | USA  | 7599          | 21AP2010  |               |
| BD 5163922    | 01DE1992  | G      | USA  | 7600          | 27AP2010  |               |
| BD 5141071    | 23AU1992  | G      | USA  | 7601          | 10MY2010  |               |
| BD 330596     | 27OC1992  | G      | USA  | 7607          | 27OC2006  |               |
| BD 5200151    | 06AP1993  | G      | USA  | 7611          | 21MY2010  |               |
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| BD                                                                                    | 5192506       | 09A01993  |  |           | G |        | USA |               | 7674  | 14FE2011 |               |      |
| BD                                                                                    | 5294536       | 15HR1994  |  |           | G |        | USA |               | 7700  | 23AP2012 |               |      |
| BD                                                                                    | DAS, 337107   | 13JA1993  |  |           | G |        | USA |               | 7705  | 13JE2007 |               |      |
| BD                                                                                    | DAS, 334576   | 06AP1993  |  |           | G |        | USA |               | 7706  | 06AP2007 |               |      |
| BD                                                                                    | 345611        | 29HR1994  |  |           | G |        | USA |               | 7707  | 29HR2008 |               |      |
| BD                                                                                    | DAS, 333522   | 23FE1993  |  |           | G |        | USA |               | 7709  | 23FE2007 |               |      |
| BD                                                                                    | 373523        | 23FE1993  |  |           | G |        | USA |               | 7710  | 23FE2007 |               |      |
| BD                                                                                    | 338419        | 17AO1993  |  |           | G |        | USA |               | 7711  | 17AO2007 |               |      |
| BD                                                                                    | 335310        | 04HT1993  |  |           | G |        | USA |               | 7712  | 04HT2007 |               |      |
| BD                                                                                    | 5250443       | 05OC1993  |  |           | G |        | USA |               | 7748  | 12FE2012 |               |      |
| BD                                                                                    | 5465629       | 14HO1995  |  |           | G |        | USA |               | 7750  | 14ND2012 |               |      |
| BD                                                                                    | 5372549       | 26JU1994  |  |           | G |        | USA |               | 7768  | 01JE2012 |               |      |
| BD                                                                                    | 5518688       | 21MY1996  |  |           | G |        | USA |               | 7769X | 21MY2013 |               |      |
| BD                                                                                    | 5219526       | 15JU1993  |  |           | G |        | USA |               | 7772  | 27MY2012 |               |      |
| BD                                                                                    | 5219526       | 15JE1993  |  |           | G |        | USA |               | 7772  | 15JE2010 |               |      |
| BD                                                                                    | 5328852       | 12JU1994  |  |           | G |        | USA |               | 7791  | 12JU2011 |               |      |
| BD                                                                                    | 5470753       | 26OR1995  |  |           | G |        | USA |               | 7819  | 29OR2013 |               |      |

SCHEDULE B  
(PENDING APPLICATIONS)

STATUS NOT - (11)  
 NAME OF ASSIGNEE

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APPLICATION NUMBER

APP. DATE

STATUS

REMARKS

KEY

CTY

REMARK

3894

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140349

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PATENT

REEL 021754 FRAME 0220

STATUS NOT - 111  
NAME OF APPLICANT

| COUNTRY OF APPLICANT | APPLICATION NUMBER | APP. DATE | STATUS | EXPIRY   | DOC      | CTY | AGENCY |
|----------------------|--------------------|-----------|--------|----------|----------|-----|--------|
| BEUR                 | 475203             | 07JH1995  | F      |          | 00028320 | USA |        |
| BEUR                 | 479743             | 07JH1995  | F      |          | 00027870 | USA |        |
| BEUR                 | 480430             | 06JH1995  | F      |          | 00027310 | USA |        |
| BEUR                 | 486284             | 06JH1995  | F      |          | 00026950 | USA |        |
| BEUR                 | 488301             | 07JH1995  | F      |          | 00028130 | USA |        |
| BEUR                 | 487313             | 07JH1995  | F      |          | 00027640 | USA |        |
| BEUR                 | 488228             | 07JH1995  | F      |          | 00027310 | USA |        |
| BEUR                 | 650314             | 04JH1991  | F      |          | 00026780 | USA |        |
| BEUR                 | 660029             | 06JH1996  | F      |          | 00027310 | USA |        |
| BEUR                 | 661846             | 11JH1996  | F      |          | 00027600 | USA |        |
| BEUR                 | 661849             | 11JH1996  | F      |          | 00027600 | USA |        |
| BEUR                 | 664269             | 11JH1996  | F      |          | 00027600 | USA |        |
| BEUR                 | 691627             | 02JH1996  | F      |          | 00028290 | USA |        |
| BEUR                 | 704569             | 22JH1991  | F      |          | 00027310 | USA |        |
| BEUR                 | 742767             | 01JH1996  | F      |          | 00028170 | USA |        |
| BEUR                 | 771523             | 20JH1996  | F      |          | 00021010 | USA |        |
| BEUR                 | 771674             | 20JH1996  | F      |          | 00021010 | USA |        |
| BEUR                 | 791240             | 30JH1997  | F      |          | 00031020 | USA |        |
| BEUR                 | 821338             | 11JH1992  | F      |          | 00028850 | USA |        |
| BEUR                 | 907842             | 09JH1997  | F      |          | 00001170 | USA |        |
| BEUR                 | 921070             | 21JH1991  | F      |          | 00027640 | USA |        |
| BEUR                 | 60/006134          | 01JH1995  | F      | 02JH1996 | 00028170 | USA |        |
| BEUR                 | 60/009090          | 22JH1995  | F      | 22JH1996 | 00001010 | USA |        |
| BEUR                 | 60/009289          | 22JH1995  | F      | 22JH1996 | 00001010 | USA |        |
| BEUR                 | 60/010948          | 01JH1996  | F      | 01JH1997 | 00001820 | USA |        |
| BEUR                 | 60/012979          | 06JH1996  | F      | 06JH1997 | 00001010 | USA |        |
| BEUR                 | 60/019893          | 14JH1996  | F      | 14JH1997 | 00001050 | USA |        |

STATUS NOT IN (14)

NUMBER OF ASSIGNEE

| STATUS | NOT IN (14) | NUMBER OF ASSIGNEE | APP. DATE | STATUS    | EXPIRES  | EXT   | CTY   | AGENT |
|--------|-------------|--------------------|-----------|-----------|----------|-------|-------|-------|
| -----  | -----       | -----              | -----     | -----     | -----    | ----- | ----- | ----- |
| BHHR   | 60/021109   | 01JUL1996          | F         | 03JUL1997 | 00001090 | USA   |       |       |
| BHHR   | 60/021110   | 18JUL1996          | Y         | 18JUL1997 | 00001160 | USA   |       |       |
| BHHR   | 60/021111   | 18JUL1996          | Y         | 18JUL1997 | 00001000 | USA   |       |       |
| BHHR   | 60/021119   | 02JUL1996          | F         | 02JUL1997 | 00001120 | USA   |       |       |
| BHHR   | 60/021117   | 20JUL1996          | F         | 20JUL1997 | 00001140 | USA   |       |       |
| BHHR   | 742911      | 16JUL1994          | F         |           | 00026660 | USA   |       | TOT   |

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PAGE OF ASSIGNMENT

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APPLICATION NUMBER  
1179  
373760

APP DATE  
04001987  
30AP1982

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(B)

PATENT

REEL: 021754 FRAME: 0223

STATUS NOT IN  
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APPLICATION NUMBER

APP. DATE

STATUS

REMARKS

EXT

CTY

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PATENT

REEL: 021754 FRAME: 0224

(CLT, CD, RD, OR, BDI, OR, Y) AS OF 28SH1997, PAGE: 1 (M)  
 HEARING DIAGNOSTICS (WESTWOOD) 7701X  
 OWNER APPLICATION NUMBER DOCKET NUMBER AGHT

| BD | 00/357562 | 160E1994  | Y | 7701X    | 7701X    | 7701X    |
|----|-----------|-----------|---|----------|----------|----------|
| BD | 08/172775 | 27DE1993  | Y | 7768A    | 7768A    | 7768A    |
| BD | 664009    | 05JN1995  | Y | 7769X    | 7769X    | 7769X    |
| BD | 907020    | 02JUL1992 | Y | 7771     | 7771     | 7771     |
| BD | 359382    | 20DE1994  | Y | BDI-1002 | BDI-1002 | BDI-1002 |
| BD | 813546    | 07AP1997  | Y | BDI-1005 | BDI-1005 | BDI-1005 |

08-02-1999



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U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

Exhibit (cd)

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Behringwerke Aktiengesellschaft

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Month Day Year  
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Execution Date  
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Name (line 2)

**Receiving Party**

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Name (line 1)

Behring Diagnostics GmbH

Name (line 2)

Address (line 1)

Emil-von-Behringstrasse 76

Address (line 2)

Address (line 3)

Marburg

City

Germany  
State/Country

35001  
Zip Code

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Address (line 2)

P.O. Box 778

Address (line 3)

1717 Deerfield Road

Address (line 4)

Deerfield, IL 60015

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**Correspondent Name and Address**

Area Code and Telephone Number 847 267-5300

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**Patent Cooperation Treaty (PCT)**

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**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ \$1680.00

Method of Payment:  
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Lois K. Ruzala

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Lois K. Ruzala  
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July 1999

Date

U.S. Patents:

5536644  
5620657  
5545834  
5637467  
~~5636719~~  
5536834

5616719

and

U.S. Patent Applications:

08/401827  
08/402296  
08/432616  
08/433853  
08/438149  
08/450744  
08/450963  
08/451706  
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DESIGNATION OF DOMESTIC REPRESENTATIVE

RE: U.S. Patents:

5536644  
5620657  
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5637467  
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and

U.S. Patent Applications:

08/401827  
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08/044561

Behring Diagnostics GmbH, now by change of name Dade Behring  
Marburg GmbH, hereby designates:

Lois K. Ruzala  
Dade Behring Inc.  
P.O. Box 778, 1717 Deerfield Road  
Deerfield, IL 60015 USA

as domestic representative, on whom may be served process or notice of  
proceedings affecting the patents or rights thereunder.

July 23, 1999

By: Lois K. Ruzala

Lois K. Ruzala, Authorized Signatory

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REEL: 021754 FRAME: 0229