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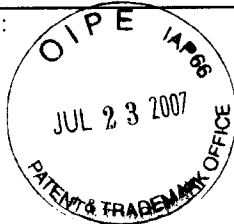
To the Honorable Commissioner of Patent.

...ginal documents or copy thereof.

7.23.07

1. Name of conveying party(ies):

Holger Loessner  
Anne Endmann  
Sara Leschner  
Siegfried Weiss



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

Name: HELMHOLTZ-ZENTRUM FÜR  
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3. Nature of conveyance:

- ( ) Assignment ( ) Merger
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Street Address: Inhoffenstr. 7

38124 Braunschweig, Germany

City: State: ZIP:

Execution Date: June 3, 2007

Additional name(s) & address(es) 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.(s)

11/667,034

B. Patent No.(s)

Additional numbers attached? ( ) Yes (X) No.

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

Name: Greer, Burns & Crain, Ltd.

Internal Address:

07/26/2007 DBYRNE 00000009 11667034

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( 40.00 OP )

Street Address: 300 South Wacker Drive, Suite 2500

City: Chicago State: IL ZIP: 60606

Additional name(s) & address(es) attached: ( ) Yes ( ) No

6. Total number of applications and patents involved: (1)

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

(X) Enclosed

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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.

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Date

Total number of pages including cover sheet, attachments, and document: (2)

4587.78091

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**ASSIGNMENT**

FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the following inventor or inventors (hereinafter called "ASSIGNOR")

|   |  |   |  |
|---|--|---|--|
| Name: Holger LOESSNER                                       | Anne ENDMANN                                     | Sara LESCHNER                                   | Siegfried WEISS                                    |
| Address: Dresdenstr. 119a,<br>38124 Braunschweig<br>Germany | Altewickring 1,<br>38102 Braunschweig<br>Germany | Laffertstr. 3,<br>38118 Braunschweig<br>Germany | Gutenbergstr. 10,<br>38118 Braunschweig<br>Germany |

hereby assigns, transfers and sets over to:

Name: HELMHOLTZ-ZENTRUM FÜR INFektionsFORSCHUNG GMBH  
Address: Inhoffenstr. 7, 38124 Braunschweig, Germany

(hereinafter called "ASSIGNEE"), the entire worldwide right, title and interest in and to the invention known as:

**BACTERIAL VECTOR**

for which a United States Patent Application was executed on even date herewith or, if not so executed, was:

- (a) executed on \_\_\_\_\_; or
- (b) filed on May 3, 2007,  
Serial No.      /     ;

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(1) The ASSIGNOR agrees without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with this application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasi-legal proceedings relating to this application or any additional, continuing, or divisional application thereof; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent for said invention.

(2) ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all Letters Patent that may be granted upon any patent application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

(3) ASSIGNOR hereby covenants and warrants that he has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

(4) ASSIGNOR hereby grants to the law firm of GREER, BURNS & CRAIN, LTD. of Chicago, Illinois, authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

|                        |                             |
|------------------------|-----------------------------|
| Date <u>June 3, 07</u> | Signature of inventor _____ |
| Date <u>June 3, 07</u> | Signature of inventor _____ |
| Date <u>June 3, 07</u> | Signature of inventor _____ |
| Date <u>June 3, 07</u> | Signature of inventor _____ |