



Form PTO-1595  
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U.S. DEPARTMENT OF COMMERCE  
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Atty Docket No.: BERK-017

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): **PORTNOY, DANIEL A.  
CALENDAR, RICHARD  
LAUER, PETER M.**  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: **The Regents of the University of California**  
Internal Address: \_\_\_\_\_  
Street Address: **1111 Franklin Street, 12<sup>th</sup> Floor**  
City: **Oakland** State: **CA** Zip: **94607-5200**  
 Other

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: **06-12-02, 06-12-02, 06-19-02.**

Additional name(s) & address(es) attached?  Yes  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)  
**10/136,860, April 30, 2002**

B. Patent Registration No.(s)

Additional number(s) attached  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **Bozicevic, Field & Francis LLP**  
Internal Address: **200 Middlefield Road, Suite 200**  
City: **Menlo Park** State: **California** Zip: **94025**

6. Total number of applications and patents involved

7. Total fee (37 CFR 3.41)..... **\$40.00**  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:  
**50-0815**  
(Attach duplicate copy of this page if paying by deposit account)

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9. 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.*

**Bret E. Field (37,20)**  
Name of Person Signing

Signature

Date

7-1-02

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

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patent & Trademarks, Box Assignments  
Washington, D.C. 20231

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01 FC:581 40.00 CH

ASSIGNMENT

U.C. Case No. B01-050

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

- 1. DANIEL A. PORTNOY    2. RICHARD CALENDAR    3. PETER M. LAUER

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin Street, Twelfth Floor, Oakland, CA 94607-5200, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

“SITE SPECIFIC LISTERIA INTEGRATION VECTORS AND METHODS FOR USING THE SAME”

and which is found in

- (a) \_\_\_\_\_ U.S. provisional application filed herewith and listing the above named persons as inventors
- (b) \_\_\_\_\_ U.S. patent application filed herewith and listing the above named persons as inventors
- (c) X \_\_\_\_\_ U.S. application serial no. 10/136,860, filed on April 30, 2002
- (d) \_\_\_\_\_ U.S. Patent No.: issued

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

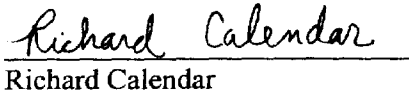
AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California, Berkeley.

executed this      Signature of Inventor(s)

12 day of June, 2002

  
Daniel A. Portnoy

12 day of June, 2002

  
Richard Calendar

\_\_\_\_\_ day of \_\_\_\_\_, 2002

Peter M. Lauer

**PATENT**

**REEL: 013061 FRAME: 0489**

ASSIGNMENT

U.C. Case No. B01-050

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and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

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AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California, Berkeley.

executed this      Signature of Inventor(s)

\_\_\_\_\_ day of \_\_\_\_\_, 2002

\_\_\_\_\_  
Daniel A. Portnoy

\_\_\_\_\_ day of \_\_\_\_\_, 2002

\_\_\_\_\_  
Richard Calendar

19 day of June, 2002

\_\_\_\_\_  
Peter M. Lauer