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Attorney Docket No. UCSF99-032

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

1. Name of conveying party(ies):

Alan S. Verkman, Joachim Biwersi and Sujatha Jayaraman

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name

Other: _____

Execution Date: March 25, 1999

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

Name: The Regents of the University of California

Address: 1111 Franklin St., 5th Floor

Oakland CA 94607-5200

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

09/27/99
 U.S. PTO
 03/26/99

4. Application number(s) or patent number(s): filed herewith

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) _____ Filed herewith

09/277354

B. Patent No.(s) _____

Additional numbers attached? Yes No

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

Name: Richard Aron Osman, Ph.D.

Address: Science & Technology Law Group

75 Denise Drive

Hillsborough, CA 94010

6. Total number of applications and patents involved: 1

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

Enclosed

Authorized to be charged to deposit account, if necessary

8. Deposit account number:

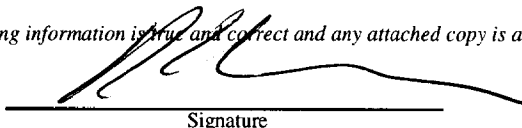
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9. Statement and signature.

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.



Signature

March 26, 1999
Date

04/04/1999 09:00:00 AM 09/27/99
Name of Person Signing

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Case No. UCSF99-032

ASSIGNMENT

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

Alan S. Verkman, Joachim Biwersi and Sujatha Jayaraman

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located at 1111 Franklin Street, 5th 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, and any and all improvements which are disclosed in the invention entitled: ***Halide Indicators***, and which is found in the U.S. patent application filed herewith and listing the above named person(s) as inventor(s), 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 covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

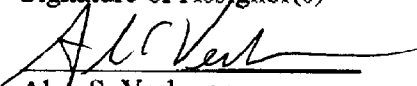
ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said Invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, 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.

executed this

25th day of March, 1999

Signature of Assignor(s)


Alan S. Verkman

executed this

25th day of March, 1999

Signature of Assignor(s)


Joachim Biwersi

executed this

25th day of March, 1999

Signature of Assignor(s)


Sujatha Jayaraman