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

1. Name of conveying party(ies): 3-31-03Joel E. White
John S. Kauer

2. Name and address of receiving party(ies)

Name: Tufts University

Internal Address: _____

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Street Address: 136 Harrison AvenueCity: Boston State: MA Zip: 02111Execution Date: March 3, 2003Additional 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)
10/303,548

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: David S. Resnick

Internal Address: _____

Street Address: Nixon Peabody LLP, 101 Federal

Street _____

City: Boston State: MA Zip: 021106. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

50-0850 (charge fee deficiencies)

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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.*David S. Resnick (34,235)

Name of Person Signing

[Signature]
Signature3/21/03
Date

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

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Commissioner of Patents & Trademarks, Box Assignments
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ASSIGNMENT

WHEREAS, WE, Joel E. White, a **United States citizen** residing at **590 Main Street, Millis, Massachusetts 02054**, and **John S. Kauer**, a **United States citizen** residing at **410 Concord Road, Weston, Massachusetts 02493**, have invented certain new and useful improvements in **INTELLIGENT ELECTRO-OPTICAL NUCLEIC ACID-BASED SENSOR ARRAY AND METHOD FOR DETECTING VOLATILE COMPOUNDS IN AMBIENT AIR**, for which WE have executed an application for Letters Patent in the United States, filed as U.S. Serial Number 10/303,548 on November 25, 2002;


AND WHEREAS, **Tufts University**, a Massachusetts corporation, with its principal place of business at **136 Harrison Avenue, Boston, MA 02111**, desires to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **Tufts University**, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue Patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said **Tufts University**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said **Tufts University**, its successors, legal representatives and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said **Tufts University**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

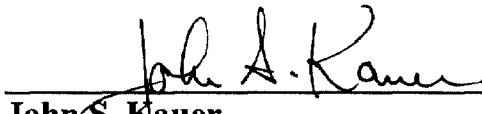
The undersigned hereby grant(s) the law firm of Nixon Peabody LLP of 101 Federal Street, Boston, Massachusetts 02110, U.S.A. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark, Office for recordation of this document.

IN TESTIMONY WHEREOF, I, **Joel E. White**, hereunto set my hand and seal this 3rd day of March, 2003.



Joel E. White

IN TESTIMONY WHEREOF, I, **John S. Kauer**, hereunto set my hand and seal this 3rd day of March, 2003.



John S. Kauer