

11-17-1999

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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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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):  
**Robert Innes, Lee H. Veneklasen, Allan L. Sagle, Sergey V. Babin, and Chen Hwa**  
Additional name(s) of conveying party(ies) attached?  
 Yes  No

2. Name and address of receiving party(ies):  
Name: **Etec Systems, Inc.**  
Street Address: **26460 Corporate Avenue**  
City: **Hayward** State: **CA** Zip: **94545**  
Country: **USA**

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: **October 19, 1999**

Name and address of receiving party(ies):  
Name: \_\_\_\_\_  
Street Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Country: \_\_\_\_\_

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) - **09/365,589**  
Title **Minimization Of Electron Fogging In Electron Beam Lithography**

B. Patent No.(s)  
**Innes, Robert; Veneklasen, Lee H.; Sagle, Allan L.; Babin, Sergey V.; Hwa, Chen**  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **Norman R. Klivans**  
Internal Address: **SKJERVEN, MORRILL, MacPHERSON, FRANKLIN & FRIEL LLP**  
Street Address: **25 METRO DRIVE, SUITE 700**  
City **SAN JOSE** State **CA** ZIP **95110**

6. Total number of applications and patents involved: **One (1)**  
7. Total fee (37 CFR 3.41): **\$40.00**  
 Authorized to be charged to Deposit Account 19-2386  
 Charge Deposit Account 19-2386 for any additional fees required for this conveyance and credit deposit account 19-2386 any amounts overpaid

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8. 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.*  
**Norman R. Klivans** 33.003 *Norman R. Klivans* **November 3, 1999**  
Name of Person Signing Signature Date

Total number of pages comprising cover sheet: **4**

**ASSIGNMENT**

For good and valuable consideration, receipt of which is hereby acknowledged, we

|                          |    |                                  |
|--------------------------|----|----------------------------------|
| <u>Robert Innes</u>      | of | <u>Richmond, California</u>      |
| <u>Lee H. Veneklasen</u> | of | <u>Castro Valley, California</u> |
| <u>Allan L. Sagle</u>    | of | <u>Berkeley, California</u>      |
| <u>Sergey V. Babin</u>   | of | <u>Castro Valley, California</u> |
| <u>Chen Hwa</u>          | of | <u>Fremont, California</u>       |

hereby sell, assign and transfer to Etec Systems, Inc., a Nevada corporation, having a place of business at 26460 Corporate Avenue, Hayward, California 94545, its successors and assigns, the entire right, title and interest throughout the world in our invention in

**Minimization Of Electron Fogging In Electron Beam Lithography**

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

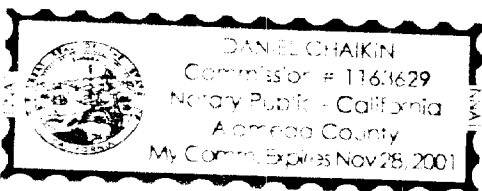
Executed this 19 day of October, 1999

Robert Innes  
(Robert Innes)

State of California )  
County of Alameda ) ss.

On October 19, 1999 before me, Daniel Chaikin (Notary) personally appeared Robert Innes personally known to me ~~or proved to me on the basis of satisfactory evidence~~ to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.  
Daniel Chaikin  
SIGNATURE OF NOTARY



Executed this 20 day of October

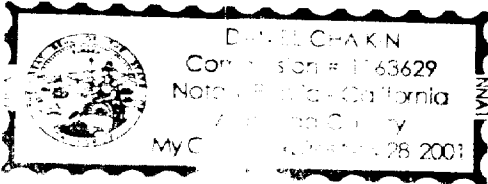
1999

[Signature]  
(Lee H. Veneklasen)

State of California)

County of Alameda) ss.

On October 20, 1999 before me, Daniel Chaikin (Notary) personally appeared Lee H. Veneklasen personally known to me ~~or proved to me on the basis of satisfactory evidence~~ to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument



WITNESS my hand and official seal.

[Signature]  
SIGNATURE OF NOTARY

Executed this 19 day of October

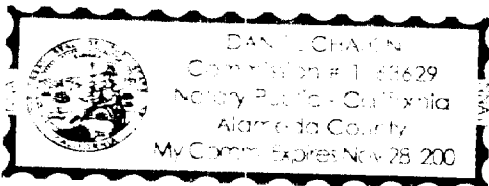
1999

[Signature]  
(Allan L. Sagle)

State of California)

County of Alameda) ss.

On October 19, 1999 before me, Daniel Chaikin (Notary) personally appeared Allan L. Sagle personally known to me ~~or proved to me on the basis of satisfactory evidence~~ to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

[Signature]  
SIGNATURE OF NOTARY

Executed this 19 day of October, 1999.

Babin

(Sergey V. Babin)

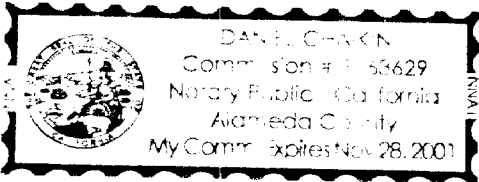
State of California )

County of Alameda ) ss.

*personally* see

On October 19, 1999 before me, Daniel Chaikin (Notary) personally appeared Sergey V. Babin ~~known to me or proved to me on the basis of satisfactory evidence~~ to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



[Signature]  
SIGNATURE OF NOTARY

Executed this 19<sup>th</sup> day of Oct, 1999.

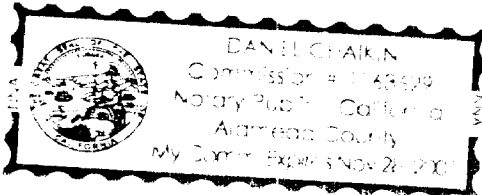
[Signature]  
(Chen Hwa)

State of California )

County of Alameda ) ss.

On October 19, 1999 before me, Daniel Chaikin (Notary) personally appeared Chen Hwa personally known to me ~~or proved to me on the basis of satisfactory evidence~~ to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



[Signature]  
SIGNATURE OF NOTARY