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By: Vladimir Skliba  
Vladimir Skliba

**Correspondent Name and Address**      **Area Code and Telephone Number**      (408) 235-6536

**Name**      APPLIED MATERIALS, INC.

**Address (line 1)**      Attn: Patent Group

**Address (line 2)**      2881 Scott Blvd., M/S 2061

**Address (line 3)**      \_\_\_\_\_

**Address (line 4)**      Santa Clara, CA 95050

**Pages**      Enter total number of pages of the attached conveyance document including any attachments.      # 2

**Application Number(s) or Patent Number(s)**       Mark if additional numbers attached

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Patent Application Number(s)			Patent Number(s)		
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<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.      Month      Day      Year

\_\_\_\_\_

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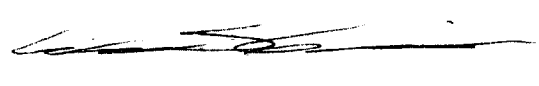
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*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.*

William S. Galliani (Reg. # 33,885)            6-29-01

\_\_\_\_\_  
Name of Person Signing      Signature      Date

# PATENT ASSIGNMENT

WHEREAS, ETEC SYSTEMS, INC., having offices in Hayward, California, U.S.A. (hereinafter referred to as "Assignor") owns right, title, and interest in U.S. Patent Serial Number 09/052,903, filed on 31 Mar 1998, entitled GATED PHOTOCATHODE FOR CONTROLLED SINGLE AND MULTIPLE ELECTRON BEAM EMISSION (hereinafter referred to as "Patent Application"); and

WHEREAS, APPLIED MATERIALS, INC., having offices in Santa Clara, California, U.S.A. (hereinafter referred to as "Assignee") desires to acquire Assignor's entire right, title, and interest in and to said Patent Application, and in and to the inventions disclosed in said Patent Application, and to the Future Patents (as hereinafter defined).

NOW THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, Assignor's full right, title, and interests in and to said Patent Application, and to all future patents which may be granted therefor throughout the world, and all division, reissues, substitutions, continuations, continuations-in-part and extensions thereof (collectively, "Future Patents"), together with all claims, causes of action and damages for past infringement, if any, of said Patent Application and Future Patents; and Assignor hereby authorizes and requests the United States Patent and Trademark Office and other patent offices throughout the world to issue all Future Patents resulting therefrom insofar as Assignor's interest is concerned, to the said Assignee of Assignor's entire right, title and interest.

Assignor also hereby sells and assigns to Assignee, its successors, assigns and legal representatives Assignor's full right, title, and interest to inventions disclosed in said Patent Application and Future Patents throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said inventions in Assignee's own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said inventions and all rights to register said inventions in appropriate registries; and Assignor further agrees to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith reasonably necessary to perfect such right, title, and interest in Assignee, its successors, assigns and legal representatives.

Assignor hereby further agrees that Assignor will communicate to said Assignee, or to its successors, assigns and legal representatives, any facts known to Assignor respecting any improvements, and, at the expense of said Assignee, will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said Assignee and to aid said Assignee, its successors, assigns and legal representatives in obtaining and enforcing proper protection for said Patent Application and Future Patents in such countries as Assignee may elect.

IN WITNESS WHEREOF, Assignor has caused this instrument to be executed effective June 15, 2001.

ETEC SYSTEMS, INC.

By: 

Name and Title: Saul E. Arnold, Assistant Secretary

State of: California

County of: Alameda

The preceding Assignment was acknowledged before me this 15th day of June 2001 by Saul E. Arnold.



Notary Public

My Commission Expires:

