



RECORDATION FORM COVER SHEET

03-28-2002



Attorney Docket No.: 025355-0000

To the Commissioner for Patents:
Please record the attached original document.

102034216

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):

NanoSciences Corporation

3-19-02

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

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

Name: Burle Industries, Inc.

Internal Address:

Street Address: 1000 New Holland Avenue
Lancaster, PA 17601

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: (1) December 20, 2001

4. Application number(s) or patent number(s): **SEE ATTACHED AMENDED SCHEDULE A**

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

A. Patent Application No.(s):

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 J. Kenealy**
Internal Address: **Morgan, Lewis & Bockius LLP**
Street Address: **1111 Pennsylvania Avenue, N.W.**
City: **Washington State: D.C.** Zip: **20004**

Customer No. 009629

6. Total number of Applications and Patents involved: 13

7. Total fee (37 C.F.R § 3.41): **\$520.00**

☒ The above and any additional fees necessary to Complete recordation of the attached executed Security Agreement are hereby authorized to be charged to Deposit Account 50-0310.

8. ☒ Deposit Account Number: **50-0310**
Attach duplicate Recordation Form.

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 J. Kenealy, Reg. No. 40,411

Name of Person Signing


Signature

March 19, 2002
Date

Total number of pages including cover sheet, attachments and documents: 12

03/27/2002 AAHME01 00000078 500310 5741435

01 FC:581 520.00 CH

13WA/1762853.1

Amended Schedule A
Patents and patent applications owned by NanoSciences Corporation

U.S. Patent 5,741,435, 4/28/98
Magnetic Memory Having Shape Anisotropic Magnetic Elements

U.S. Patent 5,989,406, 11/23/99
Magnetic Memory Having Shape Anisotropic Magnetic Elements (#2)

U.S. Patent 5,997,713, 12/7/99
Silicon Etching Process for Making Microchannel Plates

U.S. Patent 6,045,677, 4/4/00
Microporous Microchannel Plates and Method of Manufacturing Same

U.S. Patent Application No. 08/960,759, Case allowed - Issue Fee paid on 2/13/02
Micro-Dynode Integrated Electron Multiplier

U.S. Patent Application 10/001,358, filed on 10/24/01,
based on Provisional Application No 60/242,726
Process for Producing Macroscopic Cavities Beneath the Surface of a Silicon Wafer

U.S. Provisional Application, filed on 11/13/01, Awaiting U.S. Provisional Application Number
Nanowire Based Photocathode

U.S. Provisional Application No. 60/308,887, filed on 7/31/01
A Method for Forming Three Dimensional Structures in Semiconducting Materials

U.S. Provisional Application No. 60/286,849, filed on 4/26/01
Precision Submicron Filter Fabricated on a Silicon Support

U.S. Provisional Application No. 60/262,322, filed 1/01
Filters with Parallel Uniform Pores Fabricated by Anisotropic Electrochemical Micromachining of Silicon

U.S. Provisional Application No. 60/249,053, filed on 12/27/00
Method and Apparatus for Controlling Light

U.S. Provisional Application No. 60/228,210, filed on 8/15/00
Microelectromechanical Latchable Microrelay

U.S. Provisional Application No. 60/212,498, filed on 6/20/00
Diamond Transmission Dynode & Photomultiplier or Imaging Device Using Same

**AMENDED AND RESTATED
SECURITY AGREEMENT**

SECURITY AGREEMENT, dated as of 20 December 2001, between NANOSCIENCES CORPORATION, a Delaware corporation (such corporation, including its successors and assigns, hereinafter referred to as "Grantor"), having an office at 115 Hurley Road, Oxford, CT 06478 and BURLE INDUSTRIES, INC., a Pennsylvania corporation, having its principal office at 1000 New Holland Avenue, Lancaster, PA17601-5688 (hereinafter referred to as "Secured Party").

WITNESSETH:

WHEREAS, Grantor is issuer of promissory notes in favor of Secured Party, including a promissory note in amount of One Hundred Forty Thousand Dollars (\$140,000) dated 26 April 2001, and a promissory note dated the date hereof in the amount of Twenty-Five Thousand Dollars (\$25,000) (sometimes hereinafter collectively the "Notes"); and

WHEREAS, Secured Party and Grantor are parties to Security Agreement dated as of 26 April 2001 (the "26 April 2001 Security Agreement") that was entered into as a condition to Secured Party's 26 April 2001 extension of credit to Grantor; and

WHEREAS, Grantor has agreed, in connection with the current extension of credit, that Grantor and Secured Party enter into this Agreement amending and restating in its entirety the 26 April 2001 Security Agreement as hereinafter set forth;

NOW, THEREFORE, in consideration of the premises and the mutual covenants hereinafter contained, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

Section 1.1. Grant of Security Interest.

This Agreement secures, and the collateral is collateral security for, the prompt payment or performance in full when due, or otherwise of all obligations of Grantor now or hereafter existing under or in respect of the Notes, and any subsequent extensions of credit by Grantor, including principal, interest, fees, expenses, and payments arising in connection therewith (all such obligations being referred to herein as the "Secured Obligations").

Grantor hereby confirms the continuing grant to Secured Party of a security interest in the property hereinafter described, and hereby grants, pledges, assigns, mortgages, conveys, and transfers to Secured Party (subject only to the existing licenses granted by Grantor and listed on Schedule B, attached hereto and made a part hereof, provided that no such licenses prohibit Grantor from granting Secured Party the rights and interests set forth herein) a first priority lien (the "Lien") upon and security interest ("Security Interest") in all right, title and interest in and to all of

Grantor's rights whether now owned and held or hereafter acquired or related to all of its patents and patent applications, including, without limitation, the patents and patent applications listed on Schedule A hereto, along with any and all (A) inventions and improvements described and claimed therein, (B) reissues, divisions, continuations, renewals, extensions and continuations-in-part thereof, (C) income, royalties, damages, claims and payments now and hereafter due and/or payable under and with respect thereto, including, without limitation, damages and payments for past and future infringements thereof, (D) rights to sue for past, present and future infringements thereof, and (E) patents, patent applications and any other rights corresponding thereto throughout the world (collectively, the "Patents"); all proceeds of any and all of the foregoing (the "Proceeds"). Such Patents and Proceeds are hereinafter sometimes collectively referred to as the "Property".

Section 1.2. Grantor Remains Liable. The Lien and Security Interest so granted to Secured Party shall not relieve Grantor from the performance of any term, covenant, condition or agreement on Grantor's part to be performed or observed under or in respect of any of the Property or impose any obligation on Secured Party to perform or observe any such term, covenant, condition or agreement on Grantor's part to be so performed or observed, or impose any liability on Secured Party for any act or omission on the part of Grantor relating to the Notes or under or in respect of the Property; and Grantor hereby agrees to indemnify and hold harmless Secured Party, upon demand, from and against any and all losses, liabilities (including liabilities for any penalties), damages, claims, demands, actions, suits, proceedings, judgments, costs and expenses arising out of or resulting directly or indirectly from the manufacture, use or sale of products or processes utilizing or embodying any Property and/or from the Lien and Security Interest granted hereby by virtue of any material breach of the obligations of Grantor under or in respect of this Agreement, the Notes and the obligations of any Person under or in respect of the Property, including, without limitation, the reasonable costs, expenses and disbursements (including reasonable attorneys' and accountants' fees and expenses), incurred by Secured Party in enforcing this Agreement.

Section 1.3. Use and Protection of the Property. Notwithstanding anything to the contrary contained herein, unless an Event of Default has occurred and is continuing, Secured Party shall from time to time execute and deliver, upon written request of Grantor, any and all instruments, certificates or other documents, in the form so requested, necessary or appropriate in the reasonable judgment of Grantor to allow Grantor to continue to exploit, license, use, enjoy and protect (whether in the United States of America or any foreign jurisdiction) the Property.

Section 2.1. Representations and Warranties of Grantor.

Grantor hereby represents and warrants as follows:

(a) This Agreement has been duly and validly executed and delivered by Grantor and constitutes the legal, valid and binding obligation of Grantor enforceable against Grantor in accordance with its terms.

(b) To the best of the Grantor's knowledge and belief, upon filings and the acceptance thereof in the appropriate offices under the Uniform Commercial Code and in the United States Patent and Trademark Office, United States Copyright office or in the comparable offices in any foreign jurisdiction, this Agreement to the extent permitted by Applicable Law will create a valid and duly perfected first priority Lien and Security Interest in the Property. Grantor has made all necessary filings and recordations to protect its interests in the Property, including, without limitation, recordations of all of its interests in the Patents in the United States Patent and Trademark Office.

(d) Grantor is the sole and exclusive owner of the entire right, title and interest in and to the Property, unencumbered except for the rights of Secured Party under the 26 April 2001 Security Agreement. The use of such Property by Grantor does not, to the best of Grantor's knowledge, infringe on the rights of any Person nor has any claim of such infringement been made. The consummation of this Agreement does not require any consents to be obtained with respect to the Property of Grantor.

(e) Grantor's rights in the Property are free and clear of any lien except for the Security Interest created by this Agreement and Grantor has the full corporate power to grant first priority Security Interests in the Property. Grantor has made no previous assignment, conveyance, transfer or agreement in conflict herewith. Grantor further represents and warrants to Secured Party that Schedule A hereto is a true and correct list as of the date hereof of all Patents owned by Grantor.

(f) To the best of the Grantor's knowledge and belief, no authorization, consent, approval, license, qualification or formal exemption from, nor any filing, declaration or registration with, any court, governmental agency or regulatory authority, or any other Person is required in connection with (i) the execution, delivery or performance by Grantor of this Agreement, (ii) the grant of a Security Interest (including the priority thereof when the appropriate filings have been made and accepted) in, the Property by Grantor in the manner and for the purpose contemplated by this Agreement, or (iii) the rights of Secured Party created hereby, except those that have been obtained or made.

(g) No claim has been made and remains outstanding that Grantor's use of any of the Property does or may violate the rights of any third person.

Section 3.1. Covenants.

(a) On a continuing basis, Grantor will, at its expense, subject to any prior licenses, encumbrances and restrictions and prospective licenses, encumbrances and

restrictions permitted hereunder, make, execute, acknowledge and deliver, and file and record in the proper filing and recording places, all such instruments, including, without limitation, appropriate financing and continuation statements and collateral agreements, and take all such action as may reasonably be deemed necessary or advisable by Secured Party (i) to carry out the intent and purposes of this Agreement, (ii) to assure and confirm to Secured Party the grant or perfection of a first priority Security Interest in the Property for the benefit of Secured Party or (iii) to enable Secured Party to exercise and enforce its rights and remedies hereunder with respect to any Property. Without limiting the generality of the foregoing, Grantor (i) will not enter into any agreement that would impair or conflict with Grantor's obligations hereunder; (ii) will, from time to time, upon Secured Party's reasonable request, cause its books and records to be marked with such legends or segregated in such manner as Secured Party may reasonably specify and take or cause to be taken such other action and adopt such procedures as Secured Party may reasonably specify to give notice of or to perfect the Security Interest in the Property intended to be created hereby; (iii) will, promptly following its becoming aware thereof, notify Secured Party of (A) any materially adverse determination in any proceeding in the United States Patent and Trademark Office, or (B) the institution of any proceeding or any adverse determination in any federal, state or local court or administrative bodies, regarding Grantor's claim of ownership in or right to use any of the Property, its right to register the same or its right to keep and maintain such registration; (iv) will properly maintain and care for the Property to the extent necessary for the conduct of Grantor's business and consistent with Grantor's current practice; (v) will not grant or permit to exist any lien upon or with respect to the Property or any portion thereof except Liens in favor of Secured Party and will not execute any security agreement or financing statement covering any of the Property except in the name of Secured Party; (vi) will not permit to lapse or become abandoned, settle or compromise any pending or future material litigation or material administrative proceeding without the prompt consent of Secured Party, such consent not to be unreasonably withheld, or contract for sale or otherwise dispose of the Property or any portion thereof; (vii) will promptly notify Secured Party in writing of any event which may reasonably be expected to materially and adversely affect the value of the Property, the ability of Grantor or Secured Party to dispose of the Property or the rights and remedies of Secured Party in relation thereto including, without limitation, a levy or threat of levy of any legal process against the Property; (viii) until Secured Party exercises its rights to make collection, will diligently keep reasonable records respecting the Property; (ix) hereby authorizes Secured Party, in its sole discretion, to file one or more financing or continuation statements, and after 10 days' prior notice to Grantor, amendments thereto, relative to all or any part of the Property without the signature of Grantor where permitted by law; (x) will furnish to Secured Party from time to time statements and schedules further identifying and describing the Property and such other materials evidencing or reports pertaining to the Property as Secured Party may reasonably request, all in reasonable detail, (xi) will, subject to clause (iv) above and paragraph (d) below, pay when due any and all taxes, levies, maintenance fees, charges, assessments, license fees and

similar taxes or impositions payable in respect of the Property; and (xii) comply in all material respects with all laws, rules and regulations applicable to the Property.

(b) If, before the Secured Obligations shall have been paid and satisfied in full, Grantor shall (i) obtain any rights to any new inventions (whether or not patentable), know-how, trade secrets, design, process, procedure, formula, diagnostic test, or (ii) become entitled to the benefit of any patent, or extension or patent for any reissue, division, continuation, renewal, extension or continuation-in-part of any Patent or any improvement on any Patent, the provisions of this Agreement shall automatically apply thereto and any item enumerated in clause (i) or (ii) with respect to Grantor shall automatically constitute Property if such would have constituted Property at the time of execution of this Agreement and be subject to the assignment, Lien and Security Interest created hereby without further action by any party. Grantor shall promptly give to Secured Party written notice thereof. Grantor agrees, promptly following the written request by Secured Party to confirm the attachment of the Lien and Security Interest created hereby to any rights described in clauses (i) and (ii) if such would have constituted Property at the time of execution of this Agreement by execution of an instrument in form acceptable to Grantor.

(c) Grantor authorizes Secured Party to modify this Security Agreement by amending Schedules A hereto to include any future Property of Grantor.

(d) Grantor shall prosecute diligently any and all applications for the Patents now or hereafter pending, make application on unpatented but patentable inventions, file and prosecute opposition and cancellation proceedings, and do all other acts necessary to preserve and maintain all rights in the Property. Any expenses incurred in connection with such applications shall be borne by Grantor. Grantor shall not abandon any right to file a patent application, or patent application, or any pending patent application or patent, without consent of Secured Party.

ARTICLE IV DEFAULT AND REMEDIES

Section 4.1. Events of Default. Subject to Section 4.3, and provided that Secured Obligations are outstanding under the Notes, it shall be an Event of Default hereunder if the principal balance or any other amount due under the Notes remains unpaid after demand having been made.

Section 4.2. Certain Remedies Upon Default.

(a) If an Event of Default shall have occurred and be continuing, Secured Party may to the fullest extent permitted by applicable law, with 10 days' prior notice to Grantor, and without hearing or process of law of any kind, (i) exercise any and all rights as beneficial and legal owner of the Property, including, without limitation, any

and all consensual rights and powers with respect to the Property, and (ii) sell or assign or grant a license to use, or cause to be sold or assigned or grant a license to use any or all of the Property or any part thereof, in each case, free of all rights and claims of Grantor therein and thereto. In that connection, Secured Party shall have the right to cause any or all of the Property to be transferred of record into the name of Secured Party or its nominee and the right to impose (A) such limitations and restrictions on the sale or assignment of the Property as Secured Party may deem to be necessary or appropriate to comply with any law, rule or regulation (Federal, state or local) having applicability to the sale or assignment, and (B) requirements for any necessary governmental approvals.

(b) Except as provided in this Section 4, Grantor hereby expressly waives, to the fullest extent permitted by applicable law any and all notices, advertisements, hearings or process of law in connection with the exercise by Secured Party of any of its rights and remedies hereunder. Secured Party shall not be liable to any Person for any incorrect or improper payment made pursuant to this Section 4, in the absence of gross negligence or willful misconduct.

(c) Notwithstanding any provisions of this Agreement to the contrary, if, after giving effect to any sale, transfer, assignment or other disposition of any or all of the Property pursuant hereto, and after the application of the proceeds hereunder to Secured Obligations, if any Secured Obligations remain unpaid or unsatisfied, Grantor shall remain liable for the unpaid and unsatisfied amount of such Secured obligations.

Section 5.1. Exclusion of Amendments, Etc. No amendment, modification or supplement of or to any provision of this Agreement shall be effective unless the same shall be consented to in writing by both Grantor and Secured Party. No termination or waiver of any provision of this Agreement shall be effective unless the same shall be consented to in writing by Secured Party and shall be effective only in the specific instance and for the specific purpose for which made or given. No notice to or demand upon Grantor in any instance hereunder shall entitle Grantor to any other or further notice or demand in similar or other circumstances.

Section 6.1. Further Assurances. Provided, that Secured Party shall give Grantor three Business Days' prior notice of any action to be taken by Secured Party pursuant to this Section 6.1, Grantor (i) agrees that it will join with Secured Party in executing and, at its own expense, file and refile, or permit Secured Party to file and refile, such financing statements, continuation statements and other documents (including this Agreement), in such offices (including without limitation, the United States Patent and Trademark Office and the United States Copyright Office), as Secured Party may reasonably deem necessary or appropriate and that are economically practicable, wherever required or permitted by law in order to perfect and preserve the rights and interests granted to Secured Party hereunder, and (ii) hereby authorizes Secured Party to file financing statements and amendments, and any other documents thereto relative to all or any part thereof, without the signature of

Grantor where permitted by law and agrees to do such further acts and things, and to execute and deliver to Secured Party such additional assignments, agreements, powers and instruments, as Secured Party may reasonably require to carry into effect the purposes of this Agreement or to better assure and confirm unto Secured Party its respective rights, powers and remedies hereunder but subject to the limitations set forth above.

Section 6.2. No Waiver, Cumulative Remedies.

(a) No failure on the part of Secured Party to exercise, and to delay on the part of Secured Party in exercising, any right, power or remedy hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any such right, power or remedy by Secured Party preclude any other or further exercise thereof or the exercise of any other right, power or remedy. All remedies hereunder are cumulative and are not exclusive of any other remedies that may be available to Secured Party whether at law, in equity or otherwise.

(b) In the event Secured Party shall have instituted any proceeding to enforce any right, power or remedy under this instrument by foreclosure, sale, entry or otherwise, and such proceeding shall have been discontinued or abandoned for any reason or shall have been determined adversely to Secured Party, then and in every such case Grantor, Secured Party and each holder of any of the Secured obligations shall be restored to their respective former positions and rights hereunder with respect to the Property, and all rights, remedies and powers of Secured Party shall continue as if no such proceeding had been instituted.

Section 6.3. Notices, Etc. All notices, demands, instructions and other communications required or permitted to be given to or made upon any party hereto shall be given in writing, and sent certified mail return receipt requested or courier with confirmed receipt to the addresses set forth above or such other address as a party may give to the other party in accordance with the terms of this Section 6.3.

Section 6.4. Costs and Expenses, Etc. Grantor hereby agrees to reimburse Secured Party, upon its demand, for all reasonable costs and expenses incurred by Secured Party in connection with (i) the collection of the Secured Obligations, (ii) the enforcement and administration of this Agreement (including, without limitation, the filing or recording of any documents), (iii) the exercise or enforcement of any of the rights of Secured Party, or (iv) the failure by Grantor to perform or observe any of the provisions hereof and agrees to indemnify and hold harmless Secured Party, upon its demand, from and against any and all losses, liabilities (including liabilities for penalties), actions, suits, judgments, demands, costs and expenses (including, without limitation, attorneys' fees and expenses), incurred by Secured Party hereunder or in connection herewith. All amounts payable by Grantor under this Section 6.4 shall be due upon demand and shall be part of the Secured Obligations. Grantor's obligations under this Section shall survive the termination of this Agreement and the discharge of Grantor's other obligations hereunder.

Section 6.5. Continuing Security Interest. This Agreement shall create a continuing Security Interest in the Property and shall (i) remain in full force and effect until payment in full in cash in the applicable currency of all Secured Obligations, (ii) be binding upon Grantor, its successors and assigns, and (iii) inure, together with the rights and remedies of Secured Party hereunder, to the benefit of Secured Party and its successors, transferees and assigns; no other persons (including, without limitation, any other creditor of Grantor), shall have any interest herein or any right or benefit with respect hereto. Without limiting the generality of the foregoing clause (iii), Secured Party may assign or otherwise transfer any indebtedness held by it secured by this Agreement to any other person or entity, and such other person or entity shall thereupon become vested with all the benefits in respect thereof granted to Secured Party herein or otherwise, subject, however, to the provisions of the Notes. Upon the payment in full of all Secured Obligations, this Agreement shall terminate and the Property (other than Property disposed of by Secured Party pursuant to this Agreement) shall revert to Grantor and Secured Party will, at Grantor's expense, execute and deliver to Grantor such documents as Grantor shall reasonably request to evidence such termination and reversion.

Section 6.6. Governing Law; Assignment. This Agreement shall be governed by and construed in accordance with the laws of the Commonwealth of Pennsylvania, without regard to its principles of conflict of laws, except as required by mandatory provisions of law and except to the extent that the validity or perfection of the Security Interest hereunder, or remedies hereunder, in respect of any particular Property are governed by the laws of a jurisdiction other than the Commonwealth of Pennsylvania. Grantor shall not assign this Agreement without the prior written consent of the Secured Party.

Section 6.7. Consent to Jurisdiction. Grantor hereby irrevocably submits to the non-exclusive jurisdiction of the United States Federal Court for the Eastern District of Pennsylvania or the Pennsylvania Common Pleas Court sitting in Lancaster County, Pennsylvania in any action or proceeding arising out of or relating to this Agreement, and Grantor hereby irrevocably agrees that all claims in respect of such action or proceeding may be heard and determined in such United States Federal or Pennsylvania Common Pleas Court. Grantor shall not apply for or seek a change of venue in any action or proceeding arising out of or relating to this Agreement.

Section 6.8. Security Interest Absolute. All rights of Secured Party and Security Interests hereunder, and all obligations of Grantor hereunder, shall be absolute and unconditional irrespective of:

- (a) any lack of validity or enforceability of the Notes or any other agreement or instrument relating thereto;
- (b) any change in the time, manner or place of payment of, or in any other term of, all or any of the Secured Obligations, or any other amendment or waiver of or

any consent to any departure from the Notes or any other agreement or instrument relating thereto;

(c) any exchange, release or non-perfection of any other Collateral, or any release or amendment or waiver of or consent to any departure from any guaranty, for all or any of the Secured Obligations; or

(d) any other circumstances which might otherwise constitute a defense available to, or a discharge of, Grantor.

Section 6.9. Severability of Provisions. Any provisions of this Agreement which are prohibited or unenforceable in any jurisdiction shall, as to such jurisdiction, be ineffective to the extent of such prohibition or unenforceability without invalidating the remaining provisions hereof or affecting the validity or enforceability of such provisions in any other jurisdiction.

Section 6.10. Headings. Article and section headings used in this Agreement are for convenience of reference only and shall not affect the construction of this Agreement.

Section 6.11. Execution in Counterparts. This Agreement may be executed in any number of counterparts, each of which counterparts, when so executed and delivered, shall be deemed to be an original and all of which counterparts, taken together, shall constitute one and the same Agreement.

Section 6.12. Release. Secured Party shall release the Collateral upon repayment in full of the Secured Obligations.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed as of the date first above written.

NANOSCIENCES CORPORATION, Grantor

By: Charles P. Boetz
Name: Charles P. Boetz
Title: CEO

BURLE INDUSTRIES, INC., Secured Party

By: Kirk Jenne
Name: Kirk Jenne
Title: Executive Vice President

Amended Schedule A
Patents and patent applications owned by NanoSciences Corporation

U.S. Patent 5,741,435, 4/28/98
Magnetic Memory Having Shape Anisotropic Magnetic Elements

U.S. Patent 5,989,406, 11/23/99
Magnetic Memory Having Shape Anisotropic Magnetic Elements (#2)

U.S. Patent 5,997,713, 12/7/99
Silicon Etching Process for Making Microchannel Plates

U.S. Patent 6,045,677, 4/4/00
Microporous Microchannel Plates and Method of Manufacturing Same

U.S. Patent Application No. 08/960,759, Case allowed - Issue Fee paid on 2/13/02
Micro-Dynode Integrated Electron Multiplier

U.S. Patent Application 10/001,358, filed on 10/24/01,
based on Provisional Application No 60/242,726
Process for Producing Macroscopic Cavities Beneath the Surface of a Silicon Wafer

U.S. Provisional Application, filed on 11/13/01, Awaiting U.S. Provisional Application Number
Nanowire Based Photocathode

U.S. Provisional Application No. 60/308,887, filed on 7/31/01
A Method for Forming Three Dimensional Structures in Semiconducting Materials

U.S. Provisional Application No. 60/286,849, filed on 4/26/01
Precision Submicron Filter Fabricated on a Silicon Support

U.S. Provisional Application No. 60/262,322, filed 1/01
Filters with Parallel Uniform Pores Fabricated by Anisotropic Electrochemical Micromachining of Silicon

U.S. Provisional Application No. 60/249,053, filed on 12/27/00
Method and Apparatus for Controlling Light

U.S. Provisional Application No. 60/228,210, filed on 8/15/00
Microelectromechanical Latchable Microrelay

U.S. Provisional Application No. 60/212,498, filed on 6/20/00
Diamond Transmission Dynode & Photomultiplier or Imaging Device Using Same

SCHEDULE B
Licenses on Intellectual Property

Development and Licensing Agreement dated November 12, 1998 between Grantor and ITT Industries, Inc.

License, Technical Assistance and Development Agreement dated August 16, 1999 between Grantor and Secured Party.