

07-21-2005

FORM PTO-1594

(Rev. 03/01)

OMB No. 0651-0027 (exp. 05/31/2002)



103045347

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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

1. Name of conveying party(ies):

**CAMBRIDGE RESEARCH AND INSTRUMENTATION, INC.**

- Individual(s)
- General Partnership
- Corporation-State
- Other
- Association
- Limited Partnership

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

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: 5/26/2005

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

Name: **Silicon Valley Bank**

Internal Address: HA155

Street Address: 3003 Tasman Drive

City: Santa Clara

State: CA

ZIP: 95054

- Individual(s) citizenship
- Association
- General Partnership
- Limited Partnership
- Corporation-State-Delaware
- Other

If assignee is not domiciled in the United States, a domestic representative designation is attached:  Yes  No

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

4. Application number(s) or registration number(s):

A. Trademark Application No.(s)

76296606

76380633

B. Trademark No.(s)

Additional numbers attached?  Yes  No

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

Name: **Silicon Valley Bank**

Internal Address: Loan Documentation HA155

Street Address: 3003 Tasman Dr.

City: Santa Clara

State: Ca

ZIP: 95054

6. Total number of applications and registrations involved: 2

7. Total fee (37 CFR 3.41): \$65.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Trisha Sadi 110  
Name of Person Signing  
MARI BE TH LOC 2178

*Trisha Sadi*  
Signature

7/12/05

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

07/20/2005 ECDOPER 00000097 76296606

01 FC:8521 40.00 OP  
02 FC:8522 25.00 OP

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patent & Trademarks, Box Assignments  
Washington, D.C. 20231

TRADEMARK  
REEL: 003194 FRAME: 0294

## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (this "IP Agreement") is made as of the Effective Date by and between CAMBRIDGE RESEARCH & INSTRUMENTATION, INC. ("Grantor"), and Silicon Valley Bank, a California banking corporation ("Bank").

### RECITALS

A. Bank will make advances to Grantor ("Advances") as described in the Accounts Receivable Purchase Agreement (the "Purchase Agreement"), but only if Grantor grants Bank a security interest in its Copyrights, Trademarks, Patents, and Mask Works. Defined terms used but not defined herein shall have the same meanings as in the Purchase Agreement.

B. Pursuant to the terms of the Purchase Agreement, Grantor has granted to Bank a security interest in all of Grantor's right title and interest, whether presently existing or hereafter acquired in, to and under all of the Collateral.

♦ **NOW, THEREFORE**, for good and valuable consideration, receipt of which is hereby acknowledged and intending to be legally bound, as collateral security for the prompt and complete payment when due of Grantor's Indebtedness under the Purchase Agreement, Grantor hereby represents, warrants, covenants and agrees as follows:

1. Grant of Security Interest. As collateral security for the prompt and complete payment and performance of all of Grantor's present or future Indebtedness, obligations and liabilities to Bank, Grantor hereby grants a security interest in all of Grantor's right, title and interest in, to and under its Intellectual Property Collateral (all of which shall collectively be called the "Intellectual Property Collateral"), including, without limitation, the following:

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights which may be available to Grantor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

(e) Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks")

(f) All mask works or similar rights available for the protection of semiconductor chips, now owned or hereafter acquired, including, without limitation those set forth on Exhibit D attached hereto (collectively, the "Mask Works");

(g) Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(h) All licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works and all license fees and royalties arising from such use to the extent permitted by such license or rights; and

(i) All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

(j) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

2. Authorization and Request. Grantor authorizes and requests that the Register of Copyrights and the Commissioner of Patents and Trademarks record this IP Agreement.

3. Covenants and Warranties. Grantor represents, warrants, covenants and agrees as follows:

(a) Grantor is now the sole owner of the Intellectual Property Collateral, except for non-exclusive licenses granted by Grantor to its customers in the ordinary course of business.

(b) Performance of this IP Agreement does not conflict with or result in a breach of any IP Agreement to which Grantor is bound, except to the extent that certain intellectual property agreements prohibit the assignment of the rights thereunder to a third party without the licensor's or other party's consent and this IP Agreement constitutes a security interest.

(c) During the term of this IP Agreement, Grantor will not transfer or otherwise encumber any interest in the Intellectual Property Collateral, except for non-exclusive licenses granted by Grantor in the ordinary course of business or as set forth in this IP Agreement;

(d) To its knowledge, each of the Patents is valid and enforceable, and no part of the Intellectual Property Collateral has been judged invalid or unenforceable, in whole or in part, and no claim has been made that any part of the Intellectual Property Collateral violates the rights of any third party;

(e) Grantor shall promptly advise Bank of any material adverse change in the composition of the Collateral, including but not limited to any subsequent ownership right of the Grantor in or to any Trademark, Patent, Copyright, or Mask Work specified in this IP Agreement;

(f) Grantor shall (i) protect, defend and maintain the validity and enforceability of the Trademarks, Patents, Copyrights, and Mask Works, (ii) use its best efforts to detect infringements of the Trademarks, Patents, Copyrights, and Mask Works and promptly advise Bank in writing of material infringements detected and (iii) not allow any Trademarks, Patents, Copyrights, or Mask Works to be abandoned, forfeited or dedicated to the public without the written consent of Bank, which shall not be unreasonably withheld, unless Grantor determines that reasonable business practices suggest that abandonment is appropriate.

(g) Grantor shall promptly register the most recent version of any of Grantor's Copyrights, if not so already registered, and shall, from time to time, execute and file such other instruments, and take such further actions as Bank may reasonably request from time to time to perfect or continue the perfection of Bank's interest in the Intellectual Property Collateral;

(h) This IP Agreement creates, and in the case of after acquired Intellectual Property Collateral, this IP Agreement will create at the time Grantor first has rights in such after acquired Intellectual Property Collateral, in favor of Bank a valid and perfected first priority security interest in the Intellectual Property Collateral in the United States securing the payment and performance of the obligations evidenced by the Purchase Agreement upon making the filings referred to in clause (i) below;

(i) To its knowledge, except for, and upon, the filing with the United States Patent and Trademark office with respect to the Patents and Trademarks and the Register of Copyrights with respect to the Copyrights and Mask Works necessary to perfect the security interests created hereunder and except as has been already made or obtained, no authorization, approval or other action by, and no notice to or filing with, any U.S. governmental authority or U.S. regulatory body is required either (i) for the grant by Grantor of the security interest granted hereby or for the execution, delivery or performance of this IP Agreement by Grantor in the U.S. or (ii) for the perfection in the United States or the exercise by Bank of its rights and remedies thereunder;

(j) All information heretofore, herein or hereafter supplied to Bank by or on behalf of Grantor with respect to the Intellectual Property Collateral is accurate and complete in all material respects.

(k) Grantor shall not enter into any agreement that would materially impair or conflict with Grantor's obligations hereunder without Bank's prior written consent, which consent shall not be unreasonably withheld. Grantor shall not permit the inclusion in any material contract to which it becomes a party of any provisions that could or might in any way prevent the creation of a security interest in Grantor's rights and interest in any property included within the definition of the Intellectual property Collateral acquired under such contracts, except that certain contracts may contain anti-assignment provisions that could in effect prohibit the creation of a security interest in such contracts.

(l) Upon any executive officer of Grantor obtaining actual knowledge thereof, Grantor will promptly notify Bank in writing of any event that materially adversely affects the value of any material Intellectual Property Collateral, the ability of Grantor to dispose of any material Intellectual Property Collateral or the rights and remedies of Bank in relation thereto, including the levy of any legal process against any of the Intellectual Property Collateral.

4. Bank's Rights. Bank shall have the right, but not the obligation, to take, at Grantor's sole expense, any actions that Grantor is required under this IP Agreement to take but which Grantor fails to take, after fifteen (15) days' notice to Grantor. Grantor shall reimburse and indemnify Bank for all reasonable costs and reasonable expenses incurred in the reasonable exercise of its rights under this section 4.

5. Inspection Rights. Grantor hereby grants to Bank and its employees, representatives and agents the right to visit, during reasonable hours upon prior reasonable written notice to Grantor, and any of Grantor's plants and facilities that manufacture, install or store products (or that have done so during the prior six-month period) that are sold utilizing any of the Intellectual Property Collateral, and to inspect the products and quality control records relating thereto upon reasonable written notice to Grantor and as often as may be reasonably requested, but not more than one (1) in every six (6) months; provided, however, nothing herein shall entitle Bank access to Grantor's trade secrets and other proprietary information.

6. Further Assurances; Attorney in Fact.

(a) On a continuing basis, Grantor will, subject to any prior licenses, encumbrances and restrictions and prospective licenses, make, execute, acknowledge and deliver, and file and record in the proper filing and recording places in the United States, all such instruments, including appropriate financing and continuation statements and collateral agreements and filings with the United States Patent and Trademarks Office and the Register of Copyrights, and take all such action as may reasonably be deemed necessary or advisable, or as requested by Bank, to perfect Bank's security interest in all

Copyrights, Patents, Trademarks, and Mask Works and otherwise to carry out the intent and purposes of this IP Agreement, or for assuring and confirming to Bank the grant or perfection of a security interest in all Intellectual Property Collateral.

(b) Grantor hereby irrevocably appoints Bank as Grantor's attorney-in-fact, with full authority in the place and stead of Grantor and in the name of Grantor, Bank or otherwise, from time to time in Bank's discretion, upon Grantor's failure or inability to do so, to take any action and to execute any instrument which Bank may deem necessary or advisable to accomplish the purposes of this IP Agreement, including:

(i) To modify, in its sole discretion, this IP Agreement without first obtaining Grantor's approval of or signature to such modification by amending Exhibit A, Exhibit B, Exhibit C, and Exhibit D hereof, as appropriate, to include reference to any right, title or interest in any Copyrights, Patents, Trademarks or Mask Works acquired by Grantor after the execution hereof or to delete any reference to any right, title or interest in any Copyrights, Patents, Trademarks, or Mask Works in which Grantor no longer has or claims any right, title or interest; and

(ii) To file, in its sole discretion, one or more financing or continuation statements and amendments thereto, relative to any of the Intellectual Property Collateral without the signature of Grantor where permitted by law.

7. Events of Default. The occurrence of any of the following shall constitute an Event of Default under this IP Agreement:

(a) An Event of Default occurs under the Purchase Agreement; or

(b) Grantor breaches any warranty or agreement made by Grantor in this IP Agreement.

8. Remedies. Upon the occurrence and continuance of an Event of Default, Bank shall have the right to exercise all the remedies of a secured party under the California Uniform Commercial Code, including without limitation the right to require Grantor to assemble the Intellectual Property Collateral and any tangible property in which Bank has a security interest and to make it available to Bank at a place designated by Bank. Bank shall have a nonexclusive, royalty free license to use the Copyrights, Patents, Trademarks, and Mask Works to the extent reasonably necessary to permit Bank to exercise its rights and remedies upon the occurrence of an Event of Default. Grantor will pay any expenses (including reasonable attorney's fees) incurred by Bank in connection with the exercise of any of Bank's rights hereunder, including without limitation any expense incurred in disposing of the Intellectual Property Collateral. All of Bank's rights and remedies with respect to the Intellectual Property Collateral shall be cumulative.

9. Indemnity. Grantor agrees to defend, indemnify and hold harmless Bank and its officers, employees, and agents against: (a) all obligations, demands, claims, and liabilities claimed or asserted by any other party in connection with the transactions contemplated by this IP Agreement, and (b) all losses or expenses in any way suffered, incurred, or paid by Bank as a result of or in any way arising out of, following or consequential to transactions between Bank and Grantor, whether under this IP Agreement or otherwise (including without limitation, reasonable attorneys fees and reasonable expenses), except for losses arising from or out of Bank's gross negligence or willful misconduct.

10. Reassignment. At such time as Grantor shall completely satisfy all of the obligations secured hereunder, Bank shall execute and deliver to Grantor all deed, assignments, and other instruments as may be necessary or proper to reinvest in Grantor full title to the property assigned hereunder, subject to any disposition thereof which may have been made by Bank pursuant hereto.

11. Course of Dealing. No course of dealing, nor any failure to exercise, nor any delay in exercising any right, power or privilege hereunder shall operate as a waiver thereof.

12. Attorneys' Fees. If any action relating to this IP Agreement is brought by either party hereto against the other party, the prevailing party shall be entitled to recover reasonable attorneys' fees, costs and disbursements.

13. Amendments. This IP Agreement may be amended only by a written instrument signed by both parties hereto.

14. Counterparts. This IP Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument.

15. Law and Jurisdiction. This IP Agreement shall be governed by and construed in accordance with the laws of the State of California, without regard for choice of law provisions. Grantor and Bank consent to the nonexclusive jurisdiction of any state or federal court located in Santa Clara County, California.

16. Confidentiality. In handling any confidential information, Bank shall exercise the same degree of care that it exercises with respect to its own proprietary information of the same types to maintain the confidentiality of any non-public information thereby received or received pursuant to this IP Agreement except that the disclosure of this information may be made (i) to the affiliates of the Bank, (ii) to prospective transferee or purchasers of an interest in the obligations secured hereby, provided that they have entered into comparable confidentiality agreement in favor of Grantor and have deliver a copy to Grantor, (iii) as required by law, regulation, rule or order, subpoena judicial order or similar order and (iv) as may be required in connection with the examination, audit or similar investigation of Bank.

IN WITNESS WHEREOF, the parties hereto have executed this IP Agreement on the day and year first above written.

Address of Grantor:

35-B Cabot Road  
Woburn, MA 01801

GRANTOR:

CAMBRIDGE RESEARCH & INSTRUMENTATION, INC.

By: 

Name: Theodore I. Les

Title: CFO, VP Finance & Administration

EXHIBIT "A"  
Copyrights

SCHEDULE A - ISSUED COPYRIGHTS

Copyright  
Description

Registration  
Number

Date of  
Issuance

none

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**EXHIBIT "A"**  
**Pending Copyright Applications**

**SCHEDULE B - PENDING COPYRIGHT APPLICATIONS**

Copyright Description	Application Number	Date of Filing	Date of Creation	First Date of Public Distribution
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none

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**EXHIBIT "A"**  
Unregistered Copyrights

**SCHEDULE C - UNREGISTERED COPYRIGHTS**

Date and Recordation Number  
of IP Agreement to Owner of  
Grantor (if Original Author or  
Owner of Copyright is Different  
from Grantor)

Original Author of  
owner of Copyright (if  
Different from  
Grantor)

First Date of  
Distribution

Date of  
Creation

Copyright  
Description

none that stand alone

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EXHIBIT "B"  
Pending Patents

PATENT DESCRIPTION / INVENTORS	DOCKET #	FILE DATE	TYPE	SERIAL #	STATUS
IMAGING SYSTEM USING COLOR SENSORS AND TUNABLE FILTERS Miller	34250-20CPA	5/26/2000		09/578,882	Published
COLORIMETRIC IMAGING SYSTEM Miller	34250-25	10/13/2000		09/687,621	Pending
MULTIPLE LABEL FLOURESCENCE POLARIZATION ASSAY SYSTEM AND METHOD Hoyt	34250-28	2/26/2001	FCA	09/794,903	Pending
	34250-28P/EP	2/26/2001	DCA	1916244.5	Published
	34250-28A/P/EP	2/26/2001	DCA	1913058.2	Published
INSTANTANEOUS DUAL BAND FLUORESCENCE DETECTION SYSTEMS Hoyt	34250-28CIP	2/7/2003	CIP	09/793,853	Pending
POLARIZATION IMAGING SYSTEM Hoyt	34250-35	6/16/2000	NEW	09/595,827	Pending
BIOMEDICAL READ OUT INSTRUMENTS AND ANALYTICAL CHEMICAL EQUIPMENT Hoyt	34250-40				
RATIOMETRIC BACKGROUND CORRECTION FOR FLUORESCENCE POLARIZATION ASSAYS Hoyt	34250-42	2/27/2002	NEW	10/085,775	Published
BIOMEDICAL READ OUT INSTRUMENT AND ANALYTICAL CHEMICAL EQUIPMENT Hoyt	34250-47	8/7/2001			
LIQUID CRYSTAL VARIABLE OPTICAL ATTENUATOR Hoyt	12259-009P01	11/2/2000	NEW	60/245,418	Expired
STATE OF POLARIZATION DETECTOR Cronin, Miller	12259/009001	11/2/2001	FCA	10/053,470	Published
	12259/009WO1	11/2/2001	CEQ	JS01/51142	Abandoned
	12259-011P01	3/15/2001	NEW	60/276,566	Expired
SPECTRAL IMAGING METHODS & SYSTEMS Hoyt, Miller	12259/011001	3/15/2002	CIP	10/099,124	Published
	12259-020001	6/25/2002	CIP	10/183,335	Published
MULTI SPECTRAL IMAGING METHOD & APPARATUS Cronin, Miller	12259/020P01	6/25/2001	NEW	10/3000,696	Expired
	12259-021P01	8/23/2001	NEW	60/314,367	Expired
FABRY-PEROT ETALONS AND TUNABLE FILTERS MADE USING LIQUID CRYSTAL DEVICES AS TUNING MATERIALS Miller	12259/021001	8/23/2002	FCA	10/226,592	Pending
	12259-022P01	8/23/2001	NEW	60/314,460	Expired
STRESS RELIEF OF QUARTZ & SIMILAR MATERIALS FOR OPTICAL ASSEMBLIES Libonate	12259/022001	8/23/2002	FCA	10/226,610	Pending
	12259-027P01	10/16/2001	NEW	60/329,977	Expired

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EXHIBIT "B"  
Pending Patents

PATENT DESCRIPTION / INVENTORS	DOCKET #	FILE DATE	TYPE	SERIAL #	STATUS
MEIOTIC SPINDLE IMAGING IN OOCYTES & USES IN IN VITRO FERTILIZATION David L. Keefe	34250-33	6/25/2001	FCA	09/891,598	Pending
LIQUID CRYSTAL ASSEMBLY AND METHOD OF MAKING Miller, Deary	12259/029WO1	5/13/2002	CEQ	302/015161	Published
MULTISPECTRAL IMAGING SYSTEM	12259/023001	6/4/2002	NEW	10/163,233	Pending
METHOD FOR FABRICATING LC CELLS WITH WEDGED OUTER FACES	12259/029P01	1/7/2002	NEW	60/846,329	Expired
TUNABLE FILTER WHEEL WITH NxM SETTINGS	12259/029001	5/13/2003	FCA	10/144,362	Published
	34250-53P	1/14/2003	NEW	60/439,905	Pending

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EXHIBIT "B"  
Issued Patents

PATENT DESCRIPTION / INVENTOR(S)	FILE DATE	ISSUE DATE	DOCKET #	TYPE	SERIAL #	PATENT #
LIQUID CRYSTAL DEVICES AND SYSTEMS USING SUCH DEVICES Miller	9/29/1987	7/18/1989	34250-19	NEW	07/102,407	4,848,877
OPTICAL RETARDER HAVING MEANS FOR DETERMINING THE RETARDANCE OF THE CELL CORRESPONDING TO THE SENSED CAPACITANCE THEREOF						
OPTICAL POLARIZATION SWITCH AND METHOD OF USING THE SAME Miller	6/7/1991	9/21/1993	34250-1	NEW	07/172,232	5,247,378
TUNABLE COLOR FILTER Buhner, Miller	10/9/1997	2/22/2000	34250-12CPA	FCA	08/947,966	6,028,656
APPARATUS FOR STRESS RELIEVING LCD DISPLAYS AS AMENDED Miller	3/22/1995	11/18/1997	34250-6	NEW	08/408,378	5,689,317
TUNABLE OPTICAL FILTER WITH WHITE STATE Hoyt	4/11/1997	9/14/1999	34250-9	NEW	08/838,625	5,953,087
FLUORESCENCE IMAGING SYSTEM Buhner, Miller	8/7/1997	4/6/1999	34250-13	NEW	08/908,355	5,892,612
SPECTRAL IMAGING SYSTEM Hoyt, Miller	8/7/1997	8/24/1999	34250-14	NEW	08/906,665	5,943,129
HIGH PERFORMANCE POLARIZATION CONTROLLER & SENSOR Miller	12/11/2001	4/22/2003	12259/028002	CON	10/016, 045	6,552,836, B2
LIQUID CRYSTAL CELL FOR USE IN COHERENT BEAMS Miller	4/25/2001	3/18/2003	34250-32	FCA	09/842, 151	6,535,257, B2
HIGH PERFORMANCE POLARIZATION CONTROLLER & SENSOR Miller	4/25/2001		34250-32P/EP	DCA	1927331.7	Published
	8/31/2000	4/16/2002	34250-34	NEW	09/652,702	6,373,614B1

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EXHIBIT "B"  
Issued Patents

PATENT DESCRIPTION / INVENTOR(S)	FILE DATE	ISSUE DATE	DOCKET #	TYPE	SERIAL #	PATENT #
BIREFRINGENT INTERFEROMETER Miller	6/30/2000	7/16/2002	34250-21	FCA	09/607,836	6,421,131 B1
HIGH EFFICIENCY MULTIPLE PROBE IMAGING SYSTEM Hoyt, Levenson, Miller	3/16/2000	6/11/2002	34250-18	FCA	09/526,938	6,403,947 B1
FLUORESCENCE POLARIZATION ASSAY SYSTEM & METHOD Hoyt	9/14/1999	9/24/2002	34250-17CPA	FCA	09/395,661	6,455,861 B1
HIGH PERFORMANCE POLARIZATION CONTROLLER & SENSOR Miller	8/31/2002	4/16/2002	34250-34	NEW	09/652,702	6,373,614 B1
RETARDANCE MEASUREMENT METHOD	6/18/2001	12/31/2002	34250-36	FCA	09/883,602	6,501,548

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**EXHIBIT "C"**  
**Trademarks**

Trademark Description	Country	Serial No.	Docket No.	Status
Affinity	US	76/296,606	34250-47	in place
SpectraLamp	Japan	2003-037736	56647/119055	in place
Nuance	US	76/380,633	34250-48	in place

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EXHIBIT "D"  
Mask Works

Mask Work Description	Country	Serial No.	Reg No.	Docket No.	Status
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none

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