

04-07-2003

Form PTO-159c
(Rev. 03/01)
OMB No. 0651-0027 (exp. 5/31/2002)
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102410911

U.S. DEPARTMENT OF COMMERCE
U.S. 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):
Metrologic Instruments, Inc.
04/04/03

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

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: March 20, 2003

2. Name and address of receiving party(ies)
 Name: PNC Bank
 Internal
 Address: _____

Street Address: 1600 Market Street
Philadelphia PA 19103
 City: _____ State: _____ Zip: _____

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

If assignee is not domiciled in the United States, a domestic representative designation is attached: Yes No
 (Designations must be a separate document from assignment)
 Additional name(s) & address(es) attached? Yes No

OFFICE OF PENDING RECORDS
FINANCE SECTION
APR 14 AM 10:08

4. Application number(s) or registration number(s):
 A. Trademark Application No.(s) 76461002;
76365554; 76475616; 76475615

B. Trademark Registration No.(s) 2637122;
2588937; 2520732; 2504582

Additional number(s) attached Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Christopher M. Turk, Esquire
 Internal Address: Blank Rome LLP

Street Address: One Logan Square

Philadelphia PA 19103
 City: _____ State: _____ Zip: _____

6. Total number of applications and registrations involved: 21

7. Total fee (37 CFR 3.41).....\$ 540.00

Enclosed
 Authorized to be charged to deposit account

8. Deposit account number: _____

DO NOT USE THIS SPACE

9. Signature.
Christopher M. Turk, Esq. *Christopher M. Turk* March 31, 2003
 Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 17

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

04/04/2003 6TOM11 00000088 76461002

01 FC:8521 40.00 OP
02 FC:8522 500.00 OP

TRADEMARK
REEL: 002706 FRAME: 0759

**RECORDATION FORM COVER SHEET
CONTINUATION
TRADEMARKS ONLY**

FORM PTO-1618C
Expires 06/30/99
OMB 0651-0027

U.S. Department of Commerce
Patent and Trademark Office
TRADEMARK

Conveying Party

Enter Additional Conveying Party

Mark if additional names of conveying parties attached

Execution Date
Month Day Year

Name

Formerly

Individual General Partnership Limited Partnership Corporation Association

Other

Citizenship State of Incorporation/Organization

Receiving Party

Enter Additional Receiving Party

Mark if additional names of receiving parties attached

Name

DBA/AKA/TA

Composed of

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Individual General Partnership Limited Partnership

Corporation Association

Other

Citizenship/State of Incorporation/Organization

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached (Designation must be a separate document from the Assignment.)

Trademark Application Number(s) or Registration Number(s)

Enter either the Trademark Application Number or the Registration Number (DO NOT ENTER BOTH numbers for the same property).

Mark if additional numbers attached

Trademark Application Number(s)

Registration Number(s)

**SUPPLEMENT TO PATENT, TRADEMARK AND COPYRIGHT SECURITY
AGREEMENT**

THIS SUPPLEMENT TO PATENT, TRADEMARK AND COPYRIGHT SECURITY AGREEMENT, dated as of March 20 2003 (this "Supplement"), is executed and delivered by METROLOGIC INSTRUMENTS, INC., a New Jersey corporation ("Metrologic"), and ADAPTIVE OPTICS ASSOCIATES, INC., a Delaware corporation ("Adaptive" and together with Metrologic, "Pledgors" and each individually a "Pledgor"), each with an address at 90 Coles Road, Blackwood, New Jersey 08012, in favor of PNC BANK, NATIONAL ASSOCIATION, as agent (in such capacity, "Agent") for the Banks (defined in the Loan Agreement described below), with an address at 1600 Market Street, Philadelphia, PA 19103.

A. Pursuant to a certain Amended and Restated Loan and Security Agreement, dated as of July 9, 2002 (as amended, restated, modified or supplemented from time to time, the "Loan Agreement"), among Pledgors, Guarantors (as defined in the Loan Agreement) and Banks, Banks agreed to extend certain credit facilities for the benefit of Pledgors upon the terms and subject to the conditions set forth therein;

B. Pursuant to a certain Patent, Trademark and Copyright Security Agreement, dated as of January 8, 2001 (as amended, restated, modified or supplemented from time to time, the "Security Agreement"), among Pledgors and Agent (which Pledgors reaffirmed in connection with the Loan Agreement), Pledgors granted to Agent for the benefit of Agent and Banks a security interest in all right, title and interest of Pledgors in and to the Patents, Trademarks and Copyrights (as defined in the Security Agreement), to secure the payment and performance of the Secured Obligations (as defined in the Security Agreement);

C. The Security Agreement was recorded with the United States Patent and Trademark Office on or about January 8, 2001, at Reel/Frame No. 011511/0144; and

D. Subsequent to the execution and delivery of the Security Agreement, Pledgors have acquired (i) the patents and/or patent applications more particularly described on Schedules 1-A, 1-B and 1C annexed hereto as part hereof (collectively, the "Additional Patents"), and (ii) the trademarks and/or trademark applications more particularly described on Schedules 2-A and 2-B annexed hereto as part hereof (collectively, the "Additional Trademarks").

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, each Pledgor does hereby further grant to Agent for the benefit of Agent and Banks a continuing security interest in the entire right, title and interest of such Pledgor in and to the Additional Patents and the Additional Trademarks, together with any proceeds thereof (such as, by way of example, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all reissues, divisions, continuations, renewals, extensions and continuations-in-part thereof, and the goodwill of the business to which any of the Additional Patents or Additional Trademarks relate (collectively, the "Additional IP Collateral"), to secure the prompt payment, performance and observance of the Secured Obligations.


Each Pledgor hereby represents and warrants to Agent and Banks that, to the best of such Pledgor's knowledge, except for (i) the Additional IP Collateral and (ii) Patents, Trademarks and Copyrights which such Pledgor in its reasonable business judgment has recorded and subsequently abandoned, such Pledgor has not recorded with the United States Patent and Trademark Office or the United States Copyright Office any interest in any Patents, Trademarks and Copyrights during the period commencing January 8, 2001 through and including December 31, 2002.

Each Pledgor does hereby further acknowledge and affirm that the rights and remedies of Agent with respect to the security interest in the Additional IP Collateral granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

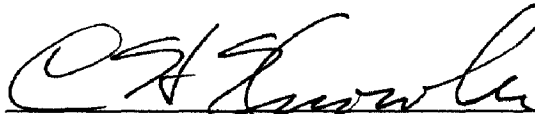
[Signature Page Follows]

IN WITNESS WHEREOF, Pledgors have caused this Supplement to be executed as of the day and year first above written.

METROLOGIC INSTRUMENTS, INC., as a
Pledgor

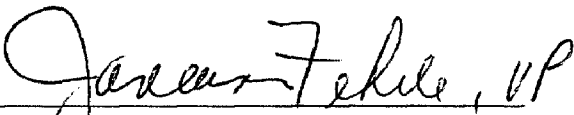
By: 
Name: C. Harry Knowles
Title: Chairman and CEO

ADAPTIVE OPTICS ASSOCIATES, INC., as a
Pledgor

By: 
Name: C. Harry Knowles
Title: Chairman and CEO

Acknowledged:

PNC BANK, NATIONAL ASSOCIATION, as Agent

By: 
Name: Janeann Fehrle
Title: Vice President

ALL-PURPOSE ACKNOWLEDGMENT

STATE OF New Jersey)
) ss.
COUNTY OF Camden)

On March 18, 2003, before me, ~~Star~~ Kelly A. Doty
(Name and Title of Officer)

personally appeared C. Harry Knowles

- personally known to me
- or-
- proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Kelly A. Doty
Signature Of Notary

KELLY A. DOTY
Notary Public of New Jersey
Commission Expires Jan 21, 2007

OPTIONAL

Though the data below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent reattachment of this form.

CAPACITY CLAIMED BY SIGNER

- Individual
- Corporate Officer

Title(s)

- Partner(s) Limited
- Attorney-In-Fact General
- Trustee(s)
- Guardian/Conservator
- Other: _____

Signer is representing:
Name Of Person(s) Or Entity(ies)

DESCRIPTION OF ATTACHED DOCUMENT

Title Or Type Of Document

Number Of Pages

Date Of Document

Signer(s) Other Than Named Above

SCHEDULE 1-A TO SUPPLEMENT TO PATENT, TRADEMARK AND COPYRIGHT
SECURITY AGREEMENT

METROLOGIC PATENTS

<u>OWNER</u>	<u>PATENT NO.</u>	<u>ISSUE DATE</u>	<u>TITLE</u>
Metrologic Instruments	USD464,969	10/29/2002	BAR CODE SCANNER
Metrologic Instruments	US5,867,688	02/02/1999	DATA ACQUISITION AND RETRIEVAL SYSTEM WITH WIRELESS HANDHELD USER
Metrologic Instruments	US6,223,987	05/05/2001	BODY-WEARABLE AUTOMATIC LASER SCANNER
Metrologic Instruments	US6,347,743	02/19/2002	METHOD AND APPARATUS FOR PROGRAMMING FUNCTIONAL SYSTEM PARAMETERS IN OPTICAL BAR CODE SCANNERS
Metrologic Instruments	US6,389,477	05/14/2002	COMMUNICATION PROTOCOL FOR USE WITH A DATA ACQUISITION AND RETRIEVAL SYSTEM WITH HANDHELD USER INTERFACE
Metrologic Instruments	US6,427,917	08/06/2002	OPTICAL SCANNER WITH CONTROLLER SUBSYSTEM
Metrologic Instruments	US6,460,769	10/08/2002	SYSTEM FOR READING BAR CODE SYMBOLS USING PORTABLE BAR CODE SYMBOL READERS HAVING ONE-WAY RF SIGNAL TRANSMISSION LINKS WITH BASE STATIONS
Metrologic Instruments	US6,493,747	12/10/2002	MULTI-TIER DATA ACQUISITION AND MANAGEMENT SYSTEM COMPRISING AT LEAST
Metrologic Instruments	US6,499,664	12/31/2002	AUTOMATIC OPTICAL SCANNER WITH IMPROVED ACTION CONTROLLING MECHANISM
Metrologic Instruments	US6,507,868	01/14/2003	BAR CODE DRIVEN DATA COMMUNICATIONS NETWORK

SCHEDULE 1-B TO SUPPLEMENT TO PATENT, TRADEMARK AND COPYRIGHT
SECURITY AGREEMENT

METROLOGIC PATENT APPLICATIONS

<u>OWNER</u>	<u>PATENT APPLICATION NO.</u>	<u>FILING DATE</u>	<u>TITLE</u>
Metrologic Instruments	09/440,560	11/15/1999	LASER SCANNING SYSTEM EMPLOYING LIGHT COLLECTION SURFACES HAVING
Metrologic Instruments	09/506,947	02/18/2000	SYSTEM AND METHOD FOR COMPOSING SETS OF URL-ENCODED BAR CODE SYMBOLS
Metrologic Instruments	09/681,606	05/07/2001	HOLOGRAPHIC LASER SCANNING METHOD AND SYSTEM EMPLOYING VISIBLE
Metrologic Instruments	09/721,885	11/24/2000	METHOD OF AND SYSTEM FOR PRODUCING IMAGES OF OBJECTS USING PLANAR
Metrologic Instruments	09/750,374	12/28/2000	ILLUMINATION APPARATUS WITH POLARIZING ELEMENTS FOR BEAM SHAPING
Metrologic Instruments	09/780,027	2/9/2001	METHOD OF AND SYSTEM FOR PRODUCING IMAGES OF OBJECTS USING PLANAR LASER ILLUMINATION BEAMS AND IMAGE DETECTION ARRAYS
Metrologic Instruments	09/781,665	02/12/2001	PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) BASED CAMERA SYSTEM
Metrologic Instruments	09/816,642	03/23/2001	METHOD OF AND SYSTEM FOR DETECTING AND CORRECTING MODE SWITCHING IN
Metrologic Instruments	09/821,731	03/29/2001	BAR-CODE DRIVEN DATA ACQUISITION AND MANAGEMENT SYSTEM
Metrologic Instruments	09/821,747	03/29/2001	PORTABLE WIRELESS DATA TERMINAL HAVING AN EVENT-DRIVEN TOUCH-SCREEN
Metrologic Instruments	09/821,759	03/29/2001	MULTI-TIERED COMPUTING SYSTEM RAVING AT LEAST ONE PORTABLE COMPUTER
Metrologic Instruments	09/821,760	03/29/2001	EVENT-DRIVEN GRAPHICAL USER INTERFACE FOR USE IN A TOUCH-SCREEN
Metrologic Instruments	09/821,761	03/29/2001	HANDHELD PORTABLE DATA TERMINAL HAVING AN INTEGRATED CODE READER FOR
Metrologic Instruments	09/824,122	04/02/2001	PORTFOLIO REBALANCING SYSTEM
Metrologic Instruments	09/837,535	4/18/2001	COMPACT BIOPTICAL LASER SCANNING SYSTEM
Metrologic Instruments	09/861,150	05/18/2001	AUTOMATIC OPTICAL PROJECTION SCANNER FOR OMNI-DIRECTIONAL READING OF
Metrologic Instruments	09/863,863	05/23/2001	AUTOMATICALLY-ACTIVATED HAND-SUPPORTABLE LASER SCANNING BAR

<u>OWNER</u>	<u>PATENT APPLICATION NO.</u>	<u>FILING DATE</u>	<u>TITLE</u>
			CODE
Metrologic Instruments	09/895,808	03/13/2001	ELECTRONICALLY-CONTROLLED, MECHANICALLY-DAMPED OFF-RESONANT LIGHT
Metrologic Instruments	09/900,005	07/06/2001	COMBINATION HAND-HELD AND COUNTER-TOP OMNIDIRECTIONAL SCANNER
Metrologic Instruments	09/900,074	07/06/2001	OPTICAL SCANNER ADAPTED FOR INTERFACING TO A DATA COMMUNICATIONS
Metrologic Instruments	09/907,491	07/17/2001	DOE-BASED SYSTEMS AND DEVICES FOR PRODUCING LASER BEAMS HAVING
Metrologic Instruments	09/924,954	8/8/2001	AUTOMATICALLY-ACTIVATED HAND-SUPPORTABLE OMNI-DIRECTIONAL LASER SCANNING BAR CODE SYMBOL READING SYSTEM WITH DATA TRANSMISSION ACTIVATION SWITCH
Metrologic Instruments	09/928,920	08/13/2001	OMNI-DIRECTIONAL TUNNEL-TYPE LASER SCANNING SYSTEM FOR SCANNING BAR CODE SYMBOLS ON OBJECT SURFACES FACING ANY DIRECTION WITHIN A THREE-DIMENSIONAL SCANNING VOLUME DISPOSED ABOVE A CONVEYOR BELT
Metrologic Instruments	09/954,477	9/17/2001	PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEM EMPLOYING WAVEFRONT CONTROL METHODS FOR REDUCING THE POWER OF SPECKLE-PATTERN NOISE DIGITAL IMAGES ACQUIRED BY SAID SYSTEM
Metrologic Instruments	09/960,247	09/21/2001	BAR CODE SYMBOL READING DEVICE HAVING INTELLIGENT DATA COMMUNICATION
Metrologic Instruments	09/965,123	09/27/2001	DOE-BASED SYSTEMS AND DEVICES FOR PRODUCING LASER BEAMS HAVING
Metrologic Instruments	09/967,421	09/28/2001	METHOD AND APPARATUS FOR PROGRAMMING FUNCTIONAL SYSTEM PARAMETERS IN
Metrologic Instruments	09/990,585	11/21/2001	HAND-SUPPORTABLE PLANAR LASER ILLUMINATION AND IMAGING (PLIIM)
Metrologic Instruments	09/994,463	11/26/2001	TRANSPORTABLE SCANNING INTEGRATED WWW ACCESS TERMINAL
Metrologic Instruments	09/996,079	11/28/2001	BAR CODE SYMBOL READING SYSTEM EMPLOYING ELECTRONICALLY-CONTROLLED
Metrologic Instruments	09/999,687	10/31/2001	INTERNET-BASED REMOTE MONITORING, CONFIGURATION AND SERVICE (RMCS)
Metrologic Instruments	10/009,368	12/07/2001	UNITARY PACKAGE IDENTIFICATION AND DIMENSIONING SYSTEM EMPLOYING

<u>OWNER</u>	<u>PATENT APPLICATION NO.</u>	<u>FILING DATE</u>	<u>TITLE</u>
Metrologic Instruments	10/014,342	11/13/2001	AUTOMATICALLY-ACTIVATED HAND-SUPPORTABLE LASER SCANNING BAR CODE
Metrologic Instruments	10/018,622	03/12/2002	MULTI-CHANNEL SCANNING SYSTEM WITH COMMON DECODER
Metrologic Instruments	10/038,727	01/02/2002	AUTOMATED METHOD OF AND SYSTEM FOR DIMENSIONING OBJECTS OVER A
Metrologic Instruments	10/043,900	01/11/2002	COUNTER-TOP SCANNER WITH BUMP PROTECTION MECHANISM AND SCAN ANGLE
Metrologic Instruments	10/045,577	01/11/2002	IMPROVED POLYGON-BASED BIOPTICAL P0S SCANNING SYSTEM EMPLOYING DUAL
Metrologic Instruments	10/045,605	01/11/2002	MULTIPATH SCAN DATA SIGNAL PROCESSOR HAVING MULTIPLE SIGNAL
Metrologic Instruments	10/053,486	01/16/2002	POINT OF SALE (P0S) STATION HAVING BAR CODE READING SYSTEM WITH
Metrologic Instruments	10/059,046	01/28/2002	METHOD OF EXTENDING THE WORKING DISTANCE OF A PLANAR LASER
Metrologic Instruments	10/059,047	01/28/2002	PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEMS
Metrologic Instruments	10/059,051	01/28/2002	PLANAR LASER ILLUMINATION MODULES (PLIMS)
Metrologic Instruments	10/066,545	02/01/2002	PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEMS EMPLOYING
Metrologic Instruments	10/066,547	02/01/2002	PLANAR LED-BASED ILLUMINATION MODULES
Metrologic Instruments	10/067,140	02/04/2002	PLANAR LED-BASED ILLUMINATION ARRAY (PLIA) CHIPS
Metrologic Instruments	10/067,509	02/05/2002	PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEM EMPLOYING AN
Metrologic Instruments	10/067,540	2/05/2002	PLII-UM-BASED SEMICONDUCTOR CHIPS
Metrologic Instruments	10/068,462	02/07/2002	METHOD OF AND SYSTEM FOR PRODUCING HIGH-RESOLUTION 3-D IMAGES OF 3-D
Metrologic Instruments	10/068,803	02/06/2002	BIOPTICAL PRODUCT AND PRODUCE IDENTIFICATION SYSTEMS EMPLOYING PLANAR
Metrologic Instruments	10/071,949	02/06/2002	AUTOMATIC HAND-SUPPORTABLE LASER SCANNER AND METHOD OF READING BAR
Metrologic Instruments	10/071,950	02/06/2002	BAR CODE READER FOR AUTOMATICALLY DETECTING PRESENCE OF A BAR
Metrologic Instruments	10/076,912	02/14/2002	AUTOMATED SYSTEM AND METHOD FOR IDENTIFYING AND MEASURING PACKAGES
Metrologic Instruments	10/079,138	02/19/2002	AUTOMATED SYSTEM AND METHOD FOR IDENTIFYING AND MEASURING PACKAGES

<u>OWNER</u>	<u>PATENT APPLICATION NO.</u>	<u>FILING DATE</u>	<u>TITLE</u>
Metrologic Instruments	10/084,242	02/27/2002	COMMUNICATION PROTOCOL FOR USE WITH A DATA ACQUISITION AND RETRIEVAL
Metrologic Instruments	10/084,764	02/26/2002	PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) BASED CAMERA SYSTEM FOR
Metrologic Instruments	10/084,827	02/27/2002	PROGRAMMABLE DATA ELEMENT QUEUING, HANDLING, PROCESSING AND LINKING
Metrologic Instruments	10/091,339	03/05/2002	OBJECT IDENTIFICATION AND ATTRIBUTE INFORMATION ACQUISITION AND
Metrologic Instruments	10/099,142	03/14/2002	METHOD OF AND APPARATUS FOR AUTOMATICALLY CROPPING CAPTURED LINEAR
Metrologic Instruments	10/100,234	03/15/2002	TUNNEL-BASED METHOD OF AND SYSTEM FOR IDENTIFYING TRANSPORTED
Metrologic Instruments	10/104,641	03/22/2002	HAND-HELD COMPACT ERGONOMIC LASER SCANNER WITH INTEGRATED SCANNER
Metrologic Instruments	10/105,031	03/22/2002	HAND-SUPPORTABLE PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) DEVICE
Metrologic Instruments	10/105,961	03/21/2002	PLANAR LASER ILLUMINATION AND IMAGING (PLUM) DEVICE EMPLOYING A
Metrologic Instruments	10/114,422	04/01/2002	PORTABLE HAND-SUPPORTABLE DATA TERMINAL WITH AUTOMATICALLY-ACTIVATED
Metrologic Instruments	10/116,682	04/04/2002	PORTABLE-HAND-SUPPORTABLE DATA TERMINAL WITH AUTOMATICALLY-ACTIVATED
Metrologic Instruments	10/118,850	04/08/2002	HAND-SUPPORTABLE PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) DEVICE
Metrologic Instruments	10/125,303	04/17/2002	POINT-OF-SALE (POS) BASED BAR CODE DRIVEN CASH REGISTER SYSTEM WITH
Metrologic Instruments	10/125,698	04/17/2002	POINT-OF-SALE (POS) BASED BAR CODE READING SYSTEM WITH INTEGRATED
Metrologic Instruments	10/125,781	04/17/2002	METHOD OF AND SYSTEM FOR ENABLING VIEWER TO ACCESS AND DISPLAY
Metrologic Instruments	10/131,573	05/14/2002	PLANAR LIGHT ILLUMINATION AND IMAGING (PLIIM) BASED SYSTEM HAVING A
Metrologic Instruments	10/131,796	04/23/2002	METHOD OF AND SYSTEM FOR AUTOMATICALLY PRODUCING DIGITAL IMAGES OF

<u>OWNER</u>	<u>PATENT APPLICATION NO.</u>	<u>FILING DATE</u>	<u>TITLE</u>
Metrologic Instruments	10/135,866	04/29/2002	PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) BASED CAMERA SYSTEM FOR
Metrologic Instruments	10/135,893	04/29/2002	INTERNET-BASED METHOD OF AND SYSTEM FOR REMOTELY MONITORING,
Metrologic Instruments	10/136,028	04/30/2002	GENERALIZED METHOD OF SPECKLE-NOISE PATTERN REDUCTION AND PARTICULAR
Metrologic Instruments	10/136,182	04/30/2002	METHOD OF SPECKLE-NOISE PATTERN REDUCTION AND APPARATUS THEREF OR
Metrologic Instruments	10/136,438	04/30/2002	METHOD OF AND APPARATUS FOR AUTOMATICALLY COMPENSATING FOR
Metrologic Instruments	10/136,463	04/30/2002	METHOD OF SPECKLE-NOISE PATTERN REDUCTION AND APPARATUS THEREFOR
Metrologic Instruments	10/136,612	04/30/2002	METHOD OF SPECKLE-NOISE PATTERN REDUCTION AND APPARATUS THEREFOR
Metrologic Instruments	10/136,621	04/30/2002	METHOD OF SPECKLE-NOISE PATTERN REDUCTION AND APPARATUS THEREFOR
Metrologic Instruments	10/136,821	04/30/2002	AUTOMATIC OPTICAL PROJECTION SCANNER WITH IMPROVED ACTIVATION
Metrologic Instruments	10/137,187	04/30/2002	METHOD OF SPECKLE-NOISE PATTERN REDUCTION AND APPARATUS THEREFOR
Metrologic Instruments	10/137,738	05/01/2002	METHOD OF SPECKLE-NOISE PATTERN REDUCTION AND APPARATUS THEREF OR
Metrologic Instruments	10/138,026	05/02/2002	POINT-OF-SALE (POS) STATION HAVING A BAR CODE DRIVEN CASH REGISTER
Metrologic Instruments	10/138,934	05/03/2002	POINT OF SALE (POS) BASED BAR CODE READING SYSTEMS HAVING LIGHT-PIPE
Metrologic Instruments	10/138,936	05/03/2002	MODULAR OMNIDIRECTIONAL BAR CODE SYMBOL SCANNING SYSTEM WITH AT LEAST
Metrologic Instruments	10/146,652	05/15/2002	METHOD OF AND APPARATUS FOR PRODUCING A DIGITAL IMAGE OF AN OBJECT
Metrologic Instruments	10/150,491	05/16/2002	AUTOMATED OBJECT IDENTIFICATION AND ATTRIBUTE ACQUISITION SYSTEM
Metrologic Instruments	10/150,540	05/16/2002	HAND-SUPPORTABLE PLANAR LASER ILLUMINATION AND IMAGING (PLUM) BASED
Metrologic Instruments	10/151,743	05/17/2002	HAND-SUPPORTABLE PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) BASED
Metrologic Instruments	10/155,803	05/23/2002	LED-BASED PLANAR LIGHT ILLUMINATION AND IMAGING (PLIIM) BASED CAMERA
Metrologic Instruments	10/155,880	05/23/2002	METHOD OF AND SYSTEM FOR AUTOMATICALLY PRODUCING DIGITAL IMAGES OF A

<u>OWNER</u>	<u>PATENT APPLICATION NO.</u>	<u>FILING DATE</u>	<u>TITLE</u>
Metrologic Instruments	10/155,902	05/23/2002	METHOD OF AND SYSTEM FOR AUTOMATICALLY PRODUCING DIGITAL IMAGES OF A
Metrologic Instruments	10/156,683	05/24/2002	PLANAR LIGHT ILLUMINATION AND IMAGING (PLIIM) SYSTEMS EMPLOYING
Metrologic Instruments	10/156,705	05/24/2002	LED-BASED PLANAR LIGHT ILLUMINATION AND IMAGING (PLIIM) SYSTEMS
Metrologic Instruments	10/156,744	05/24/2002	PLANAR LIGHT ILLUMINATION AND IMAGING (PLIIM) SYSTEM EMPLOYING
Metrologic Instruments	10/161,091	05/31/2002	AUTOMATIC VEHICLE IDENTIFICATION (AVI) SYSTEM EMPLOYING PLANAR LASER
Metrologic Instruments	10/164,845	06/06/2002	X-RADIATION SCANNING SYSTEM HAVING AN AUTOMATIC OBJECT IDENTIFICATION
Metrologic Instruments	10/165,046	06/06/2002	NUCLEAR RESONANCE BASED SCANNING SYSTEM HAVING AN AUTOMATIC OBJECT
Metrologic Instruments	10/165,180	06/06/2002	NEUTRON-BEAM BASED SCANNING SYSTEM HAVING AN AUTOMATIC OBJECT
Metrologic Instruments	10/165,376	06/07/2002	OPTICAL SCANNER WITH MOUNTING/CONVEYING MECHANISM AND SYSTEM CONTROL
Metrologic Instruments	10/165,422	06/06/2002	AUTOMATIC VEHICLE IDENTIFICATION AND CLASSIFICATION (AVIC) SYSTEM
Metrologic Instruments	10/165,761	06/06/2002	TUNNEL-TYPE PACKAGE IDENTIFICATION SYSTEM HAVING A REMOTE IMAGE KEYING
Metrologic Instruments	10/186,268	06/27/2002	IMAGING ENGINE EMPLOYING PLANAR LIGHT ILLUMINATION AND LINEAR IMAGING
Metrologic Instruments	10/186,276	06/27/2002	PLANAR LIGHT ILLUMINATION AND IMAGING DEVICE WITH MODULATED COHERENT
Metrologic Instruments	10/186,331	06/27/2002	HANDHELD IMAGING DEVICE EMPLOYING PLANAR LIGHT ILLUMINATION AND
Metrologic Instruments	10/186,320	06/27/2002	PLANAR LIGHT ILLUMINATION AND LINEAR IMAGING (PLIIM) DEVICE WITH
Metrologic Instruments	10/187,425	06/28/2002	PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) ENGINE
Metrologic Instruments	10/187,473	06/28/2002	PLANAR LIGHT ILLUMINATION AND IMAGING (PLIIM) ENGINE
Metrologic Instruments	10/207,731	07/26/2002	BAR CODE SYMBOL SCANNING SYSTEM EMPLOYING TIME-DIVISION MULTIPLEXED

<u>OWNER</u>	<u>PATENT APPLICATION NO.</u>	<u>FILING DATE</u>	<u>TITLE</u>
Metrologic Instruments	10/207,742	07/26/2002	BAR CODE SYMBOL SCANNING SYSTEM EMPLOYING TIME-DIVISION MULTIPLEXED
Metrologic Instruments	10/213,383	08/05/2002	READING BAR CODE SYMBOLS USING READERS HAVING ONE-WAY RF SIGNAL
Metrologic Instruments	10/227,545	08/23/2002	IMPROVED POLYGON-BASED BIOPTICAL P08 SCANNING SYSTEM EMPLOYING DUAL
Metrologic Instruments	10/272,523	10/15/2002	HAND-SUPPORTABLE WIRELESS INTERNET-ENABLED BAR CODE SCANNING TERMINAL
Metrologic Instruments	10/274,435	10/17/2002	BAR CODE DRIVEN SYSTEMS FOR ACCESSING INFORMATION RESOURCES ON
Metrologic Instruments	29/157,707	03/22/2002	HAND-HELD LASER SCANNER INCLUDING A CONTOURED SCANNER HOUSING WITH
Metrologic Instruments	10/299,098	11/15/2002	PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEM EMPLOYING LASER-DIODE BASED PLANAR LASER ILLUMINATION ARRAYS AND A LINEAR ELECTRONIC IMAGE DETECTION ARRAY EMPLOYING IMAGE FORMATION OPTICS THAT OPTICALLY COMPENSATES FOR DECREASES IN
Metrologic Instruments	10/299,726	11/20/2002	HOLOGRAPHIC LASER SCANNING SYSTEM HAVING MULTIPLE LASER SCANNING STATIONS FOR PRODUCING A 3-D SCANNING VOLUME FREE OF SUBSTANTIALLY AND TEMPORALLY COINCIDENT SCANNING PLANES
Metrologic Instruments	10/308,206	12/02/2002	WEB-ENABLED SYSTEM AND METHOD FOR DESIGNING AND MANUFACTURING BAR CODE SCANNERS

SCHEDULE 1-C TO SUPPLEMENT TO PATENT, TRADEMARK AND COPYRIGHT
SECURITY AGREEMENT

ADAPTIVE PATENTS APPLICATIONS

<u>OWNER</u>	<u>PATENT APPLICATION NO.</u>	<u>APPLICATION DATE</u>	<u>TITLE</u>
Adaptive Optics Associates	09/766,211	01/19/2001	DISPERSED HARTMANN SENSOR AND METHOD FOR MIRROR SEGMENT ALIGNMENT AND
Adaptive Optics Associates	09/874,401	06/05/2001	MODULAR ADAPTIVE OPTICAL SUBSYSTEM FOR INTEGRATION WITH A FUNDUS
Adaptive Optics Associates	09/874,403	06/05/2001	OPHTHALMIC IMAGING INSTRUMENT HAVING AN ADAPTIVE OPTICAL SUBSYSTEM
Adaptive Optics Associates	09/874,404	06/05/2001	OPHTHALMIC INSTRUMENT HAVING AN INTEGRAL WAVEFRONT SENSOR AND DISPLAY
Adaptive Optics Associates	09/874,903	06/05/2001	METHOD OF TREATING THE HUMAN EYE WITH A WAVEFRONT SENSOR-BASED
Adaptive Optics Associates	09/883,130	6/15/2001	METHOD OF AND SYSTEM FOR PRODUCING DIGITAL IMAGES OF OBJECTS WITH SUBSTANTIALLY REDUCED SPECKLE-NOISE PATTERNS BY ILLUMINATING SAID OBJECTS WITH SPATIALLY AND/OR TEMPORALLY COHERENT-REDUCED PLANAR LASER ILLUMINATION
Adaptive Optics Associates	09/906,388	07/16/2001	METHOD AND APPARATUS FOR WAVEFRONT MEASUREMENT THAT RESOLVES THE 2R
Adaptive Optics Associates	09/943,759	08/31/2001	OPHTHALMIC INSTRUMENT HAVING HARTMANN WAVEFRONT SENSOR DERIVING
Adaptive Optics Associates	09/944,047	08/31/2001	OPHTHALMIC INSTRUMENT HAVING WAVEFRONT SENSOR WITH MULTIPLE IMAGING
Adaptive Optics Associates	09/944,053	08/31/2001	OPHTHALMIC INSTRUMENT HAVING ADAPTIVE OPTIC SUBSYSTEM WITH MULTIPLE
Adaptive Optics Associates	09/944,054	08/31/2001	OPHTHALMIC INSTRUMENT HAVING HARTMANN WAVEFRONT SENSOR WITH EXTENDED
Adaptive Optics Associates	09/944,056	08/31/2001	OPHTHALMIC INSTRUMENT WITH ADAPTIVE OPTIC SUBSYSTEM THAT MEASURES

SCHEDULE 2-A TO SUPPLEMENT TO PATENT, TRADEMARK AND COPYRIGHT
SECURITY AGREEMENT

METROLOGIC TRADEMARKS

<u>OWNER</u>	<u>TRADEMARK REGISTRATION NO.</u>	<u>REGISTRATION DATE</u>	<u>MARK</u>
Metrologic Instruments	2,637,122	10/15/2002	CODESENSE
Metrologic Instruments	2,588,937	07/02/2002	QTRAK
Metrologic Instruments	2,520,732	12/18/2001	PENTA
Metrologic Instruments	2,504,582	11/06/2001	METROLOGIC
Metrologic Instruments	2,549,738	03/19/2002	QTROLLER
Metrologic Instruments	2,558,526	04/09/2002	QTRACE
Metrologic Instruments	2,573,359	05/28/2002	ARGUSSCAN
Metrologic Instruments	2,629,245	10/02/2002	IQ
Metrologic Instruments	2,563,424	04/23/2002	VOYAGERCG
Metrologic Instruments	2,673,209	01/07/2003	HORIZON
Metrologic Instruments	2,438,357	3/27/01	METROLOGIC
Metrologic Instruments	2,518,895	12/18/01	SCANKEY

SCHEDULE 2-B TO SUPPLEMENT TO PATENT, TRADEMARK AND COPYRIGHT
SECURITY AGREEMENT

METROLOGIC INSTRUMENTS TRADEMARK APPLICATIONS

<u>OWNER</u>	<u>TRADEMARK APPLICATION NO.</u>	<u>FILING DATE</u>	<u>MARK</u>
Metrologic Instruments	76/461,002	10/18/2002	IQROLLER
Metrologic Instruments	76/365,554	02/04/2002	INVISTA
Metrologic Instruments	76/475,616	12/16/02	TWINSKAN
Metrologic Instruments	76/475,615	12/16/02	TRUVUE
Metrologic Instruments	76/475,613	12/16/02	NAVIGATOR
Metrologic Instruments	76/467,492	11/15/02	MICROQUEST
Metrologic Instruments	76/475,617	12/16/02	ENCOMPASS
Metrologic Instruments	76/478,059	12/23/02	BLUE LED
Metrologic Instruments	76/475,614	12/16/02	BACKPACK

Phone: (215) 569-5348
 Fax: (215) 569-5628
 Email: turk@blankrome.com

March 31, 2003

Commissioner for Trademarks
 Box Assignments/Fee
 Washington, D.C. 20231

Re: Trademark Security Agreement
 Delivered by Metrologic Instruments, Inc., and
 Adaptive Optics Associates, Inc. to
 PNC Bank for Various Trademarks

Dear Madam:

Enclosed for recordation is a "Supplement to Patent, Trademark and Copyright Security Agreement," showing the pledge of the below listed trademarks from Metrologic Instruments, Inc., and Adaptive Optics Associates, Inc. ("PLEDGORS"), to PNC Bank, National Association ("Agent"):

<u>OWNER</u>	<u>TRADEMARK REG. NO. OR (FILING NO.)</u>	<u>REGISTRATION DATE OR (FILING DATE)</u>	<u>MARK</u>
Metrologic Instruments	2,637,122	10/15/2002	CODESENSE
Metrologic Instruments	2,588,937	07/02/2002	QTRAK
Metrologic Instruments	2,520,732	12/18/2001	PENTA
Metrologic Instruments	2,504,582	11/06/2001	METROLOGIC
Metrologic Instruments	2,549,738	03/19/2002	QTROLLER
Metrologic Instruments	2,558,526	04/09/2002	QTRACE
Metrologic Instruments	2,573,359	05/28/2002	ARGUSSCAN
Metrologic Instruments	2,629,245	10/02/2002	IQ

One Logan Square 18th & Cherry Streets Philadelphia, PA 19103-6998

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Commissioner for Trademarks
March 31, 2003
Page 2

<u>OWNER</u>	<u>TRADEMARK REG. NO. OR (FILING NO.)</u>	<u>REGISTRATION DATE OR (FILING DATE)</u>	<u>MARK</u>
Metrologic Instruments	2,563,424	04/23/2002	VOYAGERCG
Metrologic Instruments	2,673,209	01/07/2003	HORIZON
Metrologic Instruments	2,438,357	3/27/01	METROLOGIC
Metrologic Instruments	2,518,895	12/18/01	SCANKEY
Metrologic Instruments	(76/461,002)	(10/18/2002)	IQTROLLER
Metrologic Instruments	(76/365,554)	(02/04/2002)	INVISTA
Metrologic Instruments	(76/475,616)	(12/16/2002)	TWINSKAN
Metrologic Instruments	(76/475,615)	(12/16/2002)	TRUVUE
Metrologic Instruments	(76/475,613)	(12/16/2002)	NAVIGATOR
Metrologic Instruments	(76/467,492)	(11/15/2002)	MICROQUEST
Metrologic Instruments	(76/475,617)	(12/16/2002)	ENCOMPASS
Metrologic Instruments	(76/478,059)	(12/23/2002)	BLUE LED
Metrologic Instruments	(76/475,614)	(12/16/2002)	BACKPACK

Also enclosed is a check in the amount of \$540.00 to cover the filing fee of this Security Agreement. Please charge any additional fees due in connection with the filing of this Security Agreement to our Deposit Account Number 02-2555.

Should any questions arise concerning the recordation of this document, kindly contact me at (215) 569-5348.

Commissioner for Trademarks
March 31, 2003
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Please send all correspondence and the original document stamped with reel and frame numbers to the following address:

Christopher M. Turk, Esquire
Blank Rome LLP
One Logan Square
Philadelphia, Pennsylvania 19103-6998

Sincerely yours,



CHRISTOPHER M. TURK

CMT/jar
Enclosures
cc: Mathew S. Rotenberg, Esquire