

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

04-16-2001

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

MRD
3/14/01



101674798

RECORDATION FORM COVER SHEET
PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

New

Resubmission (Non-Recordation)
Document ID#

Correction of PTO Error
Reel # Frame #

Corrective Document
Reel # Frame #

Conveyance Type

Assignment Security Agreement

License Change of Name

Merger Other

U.S. Government
(For Use ONLY by U.S. Government Agencies)

Departmental File Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1)	Execution Date		
	Month	Day	Year
Salapow, Thomas M.	02	06	2001
Name (line 2)			
Second Party		Execution Date	
Name (line 1)		Month	Day
Demyan, David C.		02	07
Name (line 2)			

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) Mine Safety Appliances Company

Name (line 2) A corporation of the Commonwealth of Pennsylvania

Address (line 1) 121 Gamma Drive

Address (line 2)

Address (line 3) Pittsburgh PA 15238

City State/Country Zip Code

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 is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

04/13/2001 LMUELLER 00000178 133635 03779926
01 FC:581 40.00 CH

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Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assianments, Washington, D.C. 20231

PATENT
REEL: 011669 FRAME: 0867

Correspondent Name and Address

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

#

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

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

Patent Application Number(s)

Patent Number(s)

<input type="text" value="09/779,926"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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
<input type="text"/>	<input type="text"/>	<input type="text"/>

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

Number of Properties

Enter the total number of properties involved.

#

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:

Enclosed

Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

Authorization to charge additional fees:

Yes

No

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. Charges to deposit account are authorized, as indicated herein.

Stephanie J. Cassidy

March 12, 2001

Name of Person Signing

Signature

Date

FORM PTO-1619C
Expires 06/30/99
OMB 0651-0027

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

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

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)	Hendrickson, James A.	Execution Date Month Day Year 02/06/2001
Name (line 2)		
Name (line 1)	Becker, Michael F.	Execution Date Month Day Year 02/06/2001
Name (line 2)		
Name (line 1)	Brewer, Anthony J.	Execution Date Month Day Year 02/06/2001
Name (line 2)		

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)		<input type="checkbox"/> 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 is attached. (Designation must be a separate document from Assignment.)
Name (line 2)		
Address (line 1)		
Address (line 2)		
Address (line 3)	City	State/Country
		Zip Code
Name (line 1)		<input type="checkbox"/> 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 is attached. (Designation must be a separate document from Assignment.)
Name (line 2)		
Address (line 1)		
Address (line 2)		
Address (line 3)	City	State/Country
		Zip Code

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

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

Patent Application Number(s)

Patent Number(s)

FORM PTO-1619C
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RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

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

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Colburn, Eric R.

Execution Date
Month Day Year
02/07/2001

Name (line 2)

Name (line 1) Zeder, Roland

Execution Date
Month Day Year
02/07/2001

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)

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 is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

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 is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

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

Patent Application Number(s)

Patent Number(s)

**Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)**

Docket No.
Salapow 779,926

This is an Assignment of the following rights, title and interest: (check all that apply):

- United States of America rights, title and interest in the invention*
- Foreign rights, title and interest in the invention*
- United States Patent Application Serial No.* 09/779,926
 Date of Execution: _____ *Date of Filing:* February 8, 2001
- United States Provisional Patent Application Serial No.* 60/222,775 filed 8/3/00 and 60/186,509 filed 3/2/00
- United States Patent No(s).* _____
- International (PCT) Patent Application Serial No.* _____
- Other (specify)* _____

Title of the Invention

Thermal Imaging Camera

Inventors (assignors)

<i>Name</i>	<i>Address</i>
Thomas M. Salapow	210 Foch Street, Ellwood City, Pennsylvania 15117, USA
David C. Demyan	9048 Audubon Drive, Gibsonia, Pennsylvania 15044, USA
James A. Hendrickson	465 Springer Road, Freedom, Pennsylvania 15042, USA
Michael F. Becker	8007 Lawrence Road, Bethel Park, Pennsylvania 15102, USA
Anthony J. Brewer	B3 Negley Court, 5628 5th Avenue, Pittsburgh, Pennsylvania 15232, USA
Eric R. Colburn	2653 Black Oak Court, Wexford Pennsylvania 15090, USA
Roland Zeder	Apt. #605, 372 S. Highland Avenue, Pittsburgh, Pennsylvania 15206, USA

Assignee

<i>Name</i>	<i>Address</i>
Mine Safety Appliances Company	121 Gamma Drive, Pittsburgh, PA 15238, USA

**Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)**

Docket No.
Salapow 222

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

Name	Signature/Date
Thomas M. Salapow	
David C. Demyan	
James A. Hendrickson	
Michael F. Becker	
Anthony J. Brewer	
Eric R. Colburn	
Roland Zeder	

**Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)**

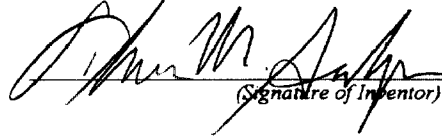
Docket No.
Salapow 222

Notarization

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

Executed this 6th day of February, in the year 2001

at


(Signature of Inventor)

State of Pennsylvania

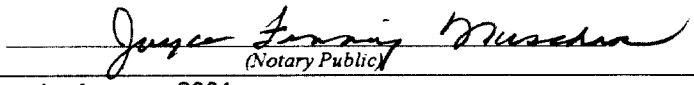
County of Butler

Before me personally appeared Thomas M. Salapow

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 6th day of February, in the year 2001

Notarial Seal
Joyce Finney Muschar, Notary Public
Cranberry Twp., Butler County
My Commission Expires Jan. 13, 2003

Member, Pennsylvania Association of Notaries


(Notary Public)

Executed this 7th day of February, in the year 2001

at


(Signature of Inventor)

State of Pennsylvania

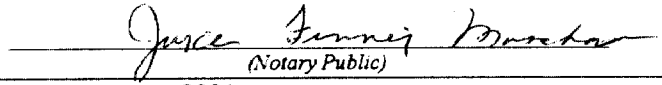
County of Butler

Before me personally appeared David C. Demyan

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 7th day of February, in the year 2001

Notarial Seal
Joyce Finney Muschar, Notary Public
Cranberry Twp., Butler County
My Commission Expires Jan. 13, 2003

Member, Pennsylvania Association of Notaries


(Notary Public)

Executed this 6th day of February, in the year 2001

at


(Signature of Inventor)

State of Pennsylvania

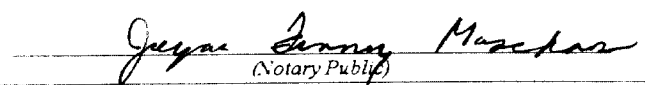
County of Butler

Before me personally appeared James A. Hendrickson

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 6th day of February, in the year 2001

Notarial Seal
Joyce Finney Muschar, Notary Public
Cranberry Twp., Butler County
My Commission Expires Jan. 13, 2003

Member, Pennsylvania Association of Notaries


(Notary Public)

Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Docket No.
Salapow 222

Notarization

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

Executed this 6th day of February, in the year 2001

at

Michael F. Becker
(Signature of Inventor)

State of Pennsylvania

County of Butler

Before me personally appeared Michael F. Becker

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 6th day of February, in the year 2001

Notarial Seal
Joyce Finney Muschar, Notary Public
Cranberry Twp., Butler County
My Commission Expires Jan. 13, 2003

Member, Pennsylvania Association of Notaries

Joyce Finney Muschar
(Notary Public)

Executed this 6th day of February, in the year 2001

at

Anthony J. Brewer
(Signature of Inventor)

State of Pennsylvania

County of Butler

Before me personally appeared Anthony J. Brewer

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 6th day of February, in the year 2001

Notarial Seal
Joyce Finney Muschar, Notary Public
Cranberry Twp., Butler County
My Commission Expires Jan. 13, 2003

Member, Pennsylvania Association of Notaries

Joyce Finney Muschar
(Notary Public)

Executed this 7th day of February, in the year 2001

at

Eric R. Colburn
(Signature of Inventor)

State of Pennsylvania Butler

County of

Before me personally appeared Eric R. Colburn

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 7th day of February, in the year 2001

Notarial Seal
Joyce Finney Muschar, Notary Public
Cranberry Twp., Butler County
My Commission Expires Jan. 13, 2003

Member, Pennsylvania Association of Notaries

Joyce Finney Muschar
(Notary Public)

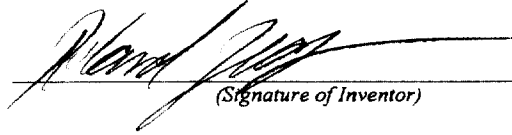
**Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)**

Docket No.
Salapow 222

Notarization

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

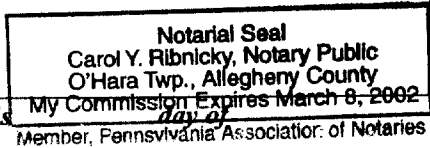
Executed this 7th day of February, in the year 2001
at Pittsburgh, Pennsylvania

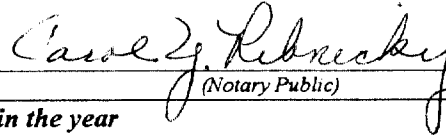

(Signature of Inventor)

State of Pennsylvania

County of Allegheny

Before me personally appeared Roland Zeder
who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to
execute the same this 7th day of February, in the year 2001




(Notary Public)

Executed this _____ day of _____, in the year _____
at _____

(Signature of Inventor)

State of _____

County of _____

Before me personally appeared _____
who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to
execute the same this _____ day of _____, in the year _____

(Notary Public)

Executed this _____ day of _____, in the year _____
at _____

(Signature of Inventor)

State of _____

County of _____

Before me personally appeared _____
who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to
execute the same this _____ day of _____, in the year _____

(Notary Public)