PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
John A. Wertz	09/02/2009
David T. Healey	09/09/2009
William S. Freeman	09/14/2009
John L. Manns	09/09/2009
Mark Rowlands	09/03/2009

RECEIVING PARTY DATA

Name:	Hollingsworth & Vose Company
Street Address:	112 Washington Street
City:	East Walpole
State/Country:	MASSACHUSETTS
Postal Code:	02032

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12496588

CORRESPONDENCE DATA

500976521

Fax Number: (617)646-8646

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 6176468000

Email: mchiusano@wolfgreenfield.com

Correspondent Name: Robert H. Walat
Address Line 1: 600 Atlantic Avenue

Address Line 2: Wolf, Greenfield & Sacks, P.C.

Address Line 4: Boston, MASSACHUSETTS 02210-2206

ATTORNEY DOCKET NUMBER: H0818.70022US00

NAME OF SUBMITTER: Robert H. Walat

PATENT

REEL: 023307 FRAME: 0001

OP \$40.00 12496588

Total Attachments: 30

source=H081870022US00-ASS-RHW#page1.tif source=H081870022US00-ASS-RHW#page2.tif source=H081870022US00-ASS-RHW#page3.tif source=H081870022US00-ASS-RHW#page4.tif source=H081870022US00-ASS-RHW#page5.tif source=H081870022US00-ASS-RHW#page6.tif source=H081870022US00-ASS-RHW#page7.tif source=H081870022US00-ASS-RHW#page8.tif source=H081870022US00-ASS-RHW#page9.tif source=H081870022US00-ASS-RHW#page10.tif source=H081870022US00-ASS-RHW#page11.tif source=H081870022US00-ASS-RHW#page12.tif source=H081870022US00-ASS-RHW#page13.tif source=H081870022US00-ASS-RHW#page14.tif source=H081870022US00-ASS-RHW#page15.tif source=H081870022US00-ASS-RHW#page16.tif source=H081870022US00-ASS-RHW#page17.tif source=H081870022US00-ASS-RHW#page18.tif source=H081870022US00-ASS-RHW#page19.tif source=H081870022US00-ASS-RHW#page20.tif source=H081870022US00-ASS-RHW#page21.tif source=H081870022US00-ASS-RHW#page22.tif source=H081870022US00-ASS-RHW#page23.tif source=H081870022US00-ASS-RHW#page24.tif source=H081870022US00-ASS-RHW#page25.tif source=H081870022US00-ASS-RHW#page26.tif source=H081870022US00-ASS-RHW#page27.tif source=H081870022US00-ASS-RHW#page28.tif source=H081870022US00-ASS-RHW#page29.tif source=H081870022US00-ASS-RHW#page30.tif

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

- Sell, assign and transfer to Hollingsworth & Vose Company, a Massachusetts Corporation having a place of business at 112 Washington Street; East Walpole, Massachusetts 02032, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on July 1, 2009 under No. 12/496,588, bearing Attorney Docket No. H0818.70022US00, and entitled MELTBLOWN FILTER MEDIUM, RELATED APPLICATIONS AND USES, and in and to said application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea;
- 2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee:
- 3. Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;
- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation; and
- 5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Septenter 2, 2009

Inventor:

9 Winding Valley Road Address !:

Hollis, NH 03049

Citizenship: US

STATE/COMMONWEALTH OF MASSACHUS

Sworn to and subscribed before me on this day of day of perjury under the laws of the United States of America. _, 20 $^{\circ}$ under the pains and penalties

My commission expires March 22

1748908.1

Date Inventor:	David T. Healey
Address:	89 High Ridge Road
	Bellingham, MA 02019
Citizenship:	US
STATE/COMMONWEALTH OF	·
COUNTY OF:	
On this day of, 20, before me, the une	dersigned notary public, personally appeared ctory evidence of identification, which were ned the preceding or attached document in my
presence and swore or affirmed to me that the contents best of (his) (her) knowledge and belief and acknowledg stated purpose.	of the document are truthful and accurate to the
SEALNotary Public	
My commission expires	

Attorney Docket No. H0818.70022US00

Roanoke, VA 24018

Citizenship: US

STATE/COMMONWEALTH OF	:
COUNTY OF:	
Sworn to and subscribed before me on this day of of perjury under the laws of the United States of America.	, 20, under the pains and penalties
SEALNotary Public	
My commission expires	

1748908.1

PATENT REEL: 023307 FRAME: 0006

Page 4 of 6

Date Inventor:	John L. Manns
Address:	18 Dover Circle
	Franklin, Massachusetts 02038
Citizenship:	US
STATE/COMMONWEALTH OF	:
COUNTY OF:	
On this day of, 20, before me, the un , proved to me through satisfac , to be the person who sign	ctory evidence of identification, which were
presence and swore or affirmed to me that the contents best of (his) (her) knowledge and belief and acknowledge stated purpose.	of the document are truthful and accurate to the ged to me that (he) (she) signed it voluntarily for its
SEALNotary Public	

Attorney Docket No. H0818.70022US00

My commission expires _____

Page 5 of 6

		Made Daydondo
Date		Mark Rowlands
	Address:	12 Grouse Close
		Bishopton Fields
		STRATFORD-UPON-AVON
		CV37 9FE
		UNITED KINGDOM
	Citizenship:	United Kingdom
Witness:		
Date	Signature	9
	Name:	
	Address:	

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

- Sell, assign and transfer to Hollingsworth & Vose Company, a Massachusetts Corporation having a place of business at 112 Washington Street; East Walpole, Massachusetts 02032, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on July 1, 2009 under No. 12/496,588, bearing Attorney Docket No. H0818.70022US00, and entitled MELTBLOWN FILTER MEDIUM, RELATED APPLICATIONS AND USES, and in and to said application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea;
- 2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;
- 3. Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;
- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation; and
- 5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

1748908.1

Date Inventor:	John A. Wertz
- ••••	9 Winding Valley Road
	Hollis, NH 03049
Citizenship:	US
STATE/COMMONWEALTH OF	÷
COUNTY OF:	
Sworn to and subscribed before me on this day of of perjury under the laws of the United States of America	, 20, under the pains and penalties a.
SEALNotary Public	
My commission expires	

Inventor: David T. Healey

Address: 89 High Ridge Road

Bellingham, MA 02019

Citizenship: US

STATE/COMMONWEALTH OF MassAduse HS

COUNTY OF NOR

before me, the undersigned notary public, personally appeared PEALS I, proved to me through satisfactory evidence of identification, which were the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose

My commission expires

MELANIE E. CARRARA Notary Public OWNERS IN OF BASEACH SETTI

March 19, 2015

Date Inventor:	William S. Freeman
Address:	5109 Falcon Ridge Road
	Roanoke, VA 24018
Citizenship:	US
STATE/COMMONWEALTH OF	:
COUNTY OF:	
Sworn to and subscribed before me on thisday of of perjury under the laws of the United States of America	, 20, under the pains and penalties a.
SEALNotary Public	
My commission expires	

Les vi al avec	John L. Manns
54.0	
Address:	18 Dover Circle
	Franklin, Massachusetts 02038
Citizenship:	US
STATE/COMMONWEALTH OF	
STATE/COMMONVALACITION	
COUNTY OF:	
On this day of, 20, before me, the un	dersigned notary public, personally appeared
, proved to me through satisfac	ned the preceding or attached document in my
presence and swore or affirmed to me that the contents	of the document are truthful and accurate to the
best of (his) (her) knowledge and belief and acknowledge	ged to me that (he) (she) signed it voluntarily for its
stated purpose.	
SEAL	
Notary Public	
My commission expires	

Date	Inventor:	Mark Rowlands
	Address:	12 Grouse Close
		Bishopton Fields
		STRATFORD-UPON-AVON
		CV37 9FE
		UNITED KINGDOM
	Citizenship:	United Kingdom
Witness:		
Date	Signature	9
	Name:	
	Address:	

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

- Sell, assign and transfer to Hollingsworth & Vose Company, a Massachusetts Corporation having a place of business at 112 Washington Street; East Walpole, Massachusetts 02032, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on July 1, 2009 under No. 12/496,588, bearing Attorney Docket No. H0818.70022US00, and entitled MELTBLOWN FILTER MEDIUM, RELATED APPLICATIONS AND USES, and in and to said application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea;
- 2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;
- 3. Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;
- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation; and
- 5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Attorney Docket No. H0818.70022US00

My commission expires _____

1748908.1

PATENT REEL: 023307 FRAME: 0016

Page 2 of 6

Date Invent	or: David T. Healey
Addre	ss: 89 High Ridge Road
	Bellingham, MA 02019
Citizensh	nip: US
STATE/COMMONWEALTH OF	•
COUNTY OF:	
On this day of, 20, before me, the	GISCHULV MANDELICE OF IGOURIOGISTIS ALLIANS TO THE
to be the person who	signed the preceding of attached accurate to the
best of (his) (her) knowledge and belief and acknow	ledged to me that (he) (she) signed it voluntarily for its
stated purpose.	
SEAL	
Notary Public	
My commission expires	

Inventor: William S. Freeman

Address: 5109 Falcon Ridge Road

Roanoke, VA 24018

Citizenship: US

STAT	E/COMM(JNWE	ALTH	OF

COUNTY OF _

Sworn to and subscribed before me on this 44 day of September, 2009, under the pains and penalties of perjury under the laws of the United States of America.

My commission expires $\frac{50,300}{}$

Date Inventor:	: John L. Manns
Address	: 18 Dover Circle
	Franklin, Massachusetts 02038
Citizenship	: US
STATE/COMMONWEALTH OF	;
COUNTY OF:	
On thisday of, 20, before me, the upper state of the person who significant in the person who significant is a second state of the person of the person who second state of the person who second state of the person which is a second state of the person of the per	actory evidence of identification, which were ned the preceding or attached document in my
presence and swore or affirmed to me that the content best of (his) (her) knowledge and belief and acknowled stated purpose.	s of the document are truthful and accurate to the
SEALNotary Public	
My commission expires	

Date	Inventor:	Mark Rowlands
		12 Grouse Close
		Bishopton Fields
		STRATFORD-UPON-AVON
		CV37 9FE
		UNITED KINGDOM
	Citizenship:	United Kingdom
Witness:		
Date	Signature	9
	Name:	
	Address	

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

- Sell, assign and transfer to Hollingsworth & Vose Company, a Massachusetts Corporation having a place of business at 112 Washington Street; East Walpole, Massachusetts 02032, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on July 1, 2009 under No. 12/496,588, bearing Attorney Docket No. H0818.70022US00, and entitled MELTBLOWN FILTER MEDIUM, RELATED APPLICATIONS AND USES, and in and to said application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea;
- 2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;
- 3. Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;
- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation; and
- 5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Date Inventor:	John A. Wertz
Address:	9 Winding Valley Road
	Hollis, NH 03049
Citizenship:	US
STATE/COMMONWEALTH OF	
COUNTY OF:	
Sworn to and subscribed before me on this day of of perjury under the laws of the United States of Americ	, 20, under the pains and penalties a.
SEALNotary Public	
My commission expires	

Address:	David T. Healey 89 High Ridge Road Bellingham, MA 02019
Citizenship:	05
STATE/COMMONWEALTH OF	:
COUNTY OF:	
presence and swore or affirmed to me that the contents	ctory evidence of identification, which were ned the preceding or attached document in my s of the document are truthful and accurate to the
best of (his) (her) knowledge and belief and acknowledge stated purpose.	ged to me that (he) (she) signed it voluntarily for its
SEALNotary Public	
My commission expires	

Date	Inventor:	William S. Freeman
Julio -		5109 Falcon Ridge Road
	Addiess.	Roanoke, VA 24018
	Citizenship:	US
STATE/COMMONWEALTH O	F	:
COUNTY OF	:	
Sworn to and subscribed before r of perjury under the laws of the U		, 20, under the pains and penalties
SEALNotary Public	······································	
My commission expires		

John L. Manns Inventor: Address: 18 Dover Circle

Franklin, Massachusetts 02038

MELANIE E. CARRARA Notary Public COMMONWEALTH OF MASSACHUSETTS

My Commission Expires

March 19, 2015

Citizenship: US

http://doc. before me, the undersigned notary public, personally appeared , proved to me through satisfactory evidence of identification, which were , to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL Notary Public

My commission expires <

1748908.1

PATENT

REEL: 023307 FRAME: 0025

Date	Inventor:	Mark Rowlands
	Address:	12 Grouse Close
		Bishopton Fields
		STRATFORD-UPON-AVON
		CV37 9FE
		UNITED KINGDOM
	Citizenship:	United Kingdom
Witness:		
Date	Signature	
	Name:	
	Address:	

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

- Sell, assign and transfer to Hollingsworth & Vose Company, a Massachusetts Corporation having a place of business at 112 Washington Street; East Walpole, Massachusetts 02032, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on July 1, 2009 under No. 12/496,588, bearing Attorney Docket No. H0818.70022US00, and entitled MELTBLOWN FILTER MEDIUM, RELATED APPLICATIONS AND USES, and in and to said application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea;
- 2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;
- 3. Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;
- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation; and
- 5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Date Inventor:	John A. Wertz
Address:	9 Winding Valley Road
	Hollis, NH 03049
Citizenship:	US
STATE/COMMONWEALTH OF	•
COUNTY OF:	
Sworn to and subscribed before me on this day of of perjury under the laws of the United States of America	, 20, under the pains and penalties a.
SEALNotary Public	
My commission expires	

Date Inventor:	David T. Healey		
Address:	89 High Ridge Road		
	Bellingham, MA 02019		
Citizenship:	US		
STATE/COMMONWEALTH OF	;		
COUNTY OF:			
On thisday of, 20, before me, the undersigned notary public, personally appeared, proved to me through satisfactory evidence of identification, which were, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.			
SEAL			

Attorney Docket No. H0818.70022US00

My commission expires _____

Page 3 of 6

Attorney Docket No. H0818.70022US00

Notary Public

My commission expires _____

1748908.1

Date		John L. Manns 18 Dover Circle
	Citizenship:	Franklin, Massachusetts 02038 US
STATE/COMMONWEALTH OF		:

On this ____day of ______, 20___, before me, the undersigned notary public, personally appeared ______, proved to me through satisfactory evidence of identification, which were ______, to be the person who signed the preceding or attached document in my

presence and swore or affirmed to	o me that the contents of the	e preceding or attached document in my document are truthful and accurate to the me that (he) (she) signed it voluntarily for its
SEALNotary Public		

My commission expires _____

COUNTY OF _____:

Attorney Docket No. H0818.70022US00

1748908.1

PATENT REEL: 023307 FRAME: 0031

Page 5 of 6

Sept 3.d. Der 9.

Inventor: Mark Rowlands

Address: 12 Grouse Close

Bishopton Fields STRATFORD-UPON-AVON

CV37 9FE

UNITED KINGDOM

Citizenship: United Kingdom

Witness:

Date

Signaturé

Name:

Address:

CLIC

11)

02018

1748908,1

PATENT REEL: 023307 FRAME: 0032

RECORDED: 09/30/2009