#### 505265232 01/07/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5312004

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
STEPHEN T. COX	08/21/2012
WILLIAM S. FREEMAN	08/21/2012
ABDOULAYE DOUCOURÉ	08/21/2012
JOHN A. WERTZ	08/31/2012

## **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:	16170350

# **CORRESPONDENCE DATA**

Fax Number: (617)646-8646

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 617.646.8000

Email: mchiusano@wolfgreenfield.com WOLF, GREENFIELD & SACKS, P.C. **Correspondent Name:** 

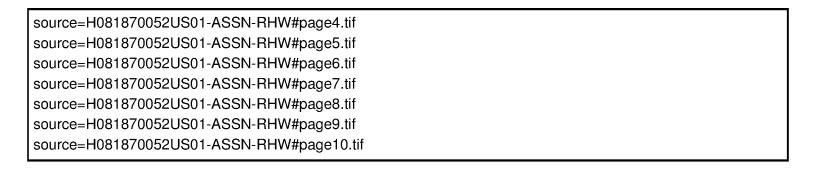
Address Line 1: **600 ATLANTIC AVENUE** 

Address Line 4: BOSTON, MASSACHUSETTS 02210-2206

ATTORNEY DOCKET NUMBER:	H0818.70052US01
NAME OF SUBMITTER:	MELANIE CHIUSANO
SIGNATURE:	/Melanie Chiusano/
DATE SIGNED:	01/07/2019

### **Total Attachments: 10**

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#### ASSIGNMENT

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

- Seil, 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 June 20, 2012 under No. 13/528,796, bearing Attorney Docket No. H0818,70052US00, and entitled FINE FIBER FILTER MEDIA AND PROCESSES, and in and to the 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 the 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 the 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 the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the 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 the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
- 3. Request the Director of the United States Patent and Trademark Office to issue the Letters Patent to the 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;
- 5. Covenant with the 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; and
- 6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

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

2794078.1

4/21/2012

Inventor: Stephen T. Cox

Address: 1006 Forest Avenue

Radford, Virginia 24141

Citizenship: US

STATE/COMM	ONWEALTH OF	Virginia	
COUNTY OF	<u> </u>		 

२८/२८, before me, the undersigned notary public, \_, proved to me through satisfactory evidence of Stephen T. Cox personally appeared identification, which were and the second

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

My commission expires:

3/21/12 Date

inventor: William S. Freeman

Address: 5109 Falcon Ridge Road

Roanoke, Virginia 24018

Citizenship: US

On this	day of <u>Ægag)</u> , ad William S. Freeman	3013 , before me, the undersigned notary public, proved to me through satisfactory evidence of
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	one signed the preceding or attac	hed document in my presence and swore or affirmed
to be the person w to me that the con	tents of the document are truthful	hed document in my presence and swore or affirmed. I and accurate to the best of (his) (her) knowledge signed it voluntarily for its stated purcose.
to be the person w to me that the con	tents of the document are truthful	

1ml 21st, 2012

inventor: Abdoulaye Doucoufe

Address: 3316 i Cirlce Brook Drive, Pebble Creek

SW Roanoke, Virginia 24018

Citizenship: France

On this 212 day of 202, before me, the undersigned notary public, personally appeared Abdoulage Doucoure, proved to me through satisfactory evidence of identification, which were 2000 for 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.	STATE/COMMONWEA COUNTY OF 1/2	итног <u>Virginia</u>	
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	personally appeared	Abdoulaye Doucoure	proved to me through satisfactory evidence of
	to be the person who si to me that the contents	gned the preceding or atta- of the document are truthfo	ched document in my presence and swore or affirmed ut and accurate to the best of (his) (her) knowledge

SEAL

Notary Public #

My commission expires:

2794078.1

Date	······································	Inventor	John A. Wertz
		Address:	- 1888
			Hollis, New Hampshire 03049
		Citizenship:	
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STATE/COMMONWE	ALTH OF		
COUNTY OF			halore ma the undersioned notary nublic
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COUNTY OF	day of	John A. Wertz	, before me, the undersigned notary public, , proved to me through satisfactory evidence o
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2794078.1

### 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 June 20, 2012 under No. 13/528,796, bearing Attorney Docket No. H0818.70052US00, and entitled FINE FIBER FILTER MEDIA AND PROCESSES, and in and to the 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 the 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 the 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 the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the 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 the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
- 3. Request the Director of the United States Patent and Trademark Office to issue the Letters Patent to the 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:
- 5. Covenant with the 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; and
- 6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

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

2794078.1

Date		Inventor:	Stephen T. Cox
w. acco			
		Address:	1006 Forest Avenue
			Radford, Virginia 24141
		Citizenship:	US
STATE/COMMONWE	ALTH OF	·	· · · · · · · · · · · · · · · · · · ·
COUNTY OF			
On this	day of		
personally appeared	_ day of <		, before me, the undersigned notary public,
identification, which w		Nephen 1. Cox	_, proved to me through satisfactory evidence of
	*******	preceding or attached c	document in my presence and swore or affirmed
to me that the contents	s of the do	cument are truthful and	accurate to the best of (his) (her) knowledge
and belief and acknow	ledged to	me that (he) (she) signe	ed it voluntarily for its stated purpose.
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SEAL	4		
	* 1011111000000	Notary Public	
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my commission ex	piies		·

Date		Inventor:	William S. Freeman
And the state of t			5109 Falcon Ridge Road
		varioss:	. <b>*</b>
		1213 2 101000	Roanoke, Virginia 24018
		Citizenship:	US
STATE/COMMONWE	ALTH OF	<u> </u>	
COUNTY OF			
On this	_ day of	<u></u> % ;	, before me, the undersigned notary public,
personally appeared	***************************************	S. Freeman	_, proved to me through satisfactory evidence of
identification, which we	************************		<u> </u>
			document in my presence and swore or affirmed
			accurate to the best of (his) (her) knowledge
and belief and acknow	rledged to me th	nat (he) (she) signe	ed it voluntarily for its stated purpose.
Areas.			
SEAL			***************************************
	N	lotary Public	
My commission ex	nires:		
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Date	÷	Inventor:	Abdoulaye Doucoure
		Address:	3316 i Cirlce Brook Drive, Pebble Creek
			SW Roanoke, Virginia 24018
		Citizenship:	France
	e December of the second		
STATE/COMMONWE	ALTH OF		
COUNTY OF		······································	
On this	day of		, before me, the undersigned notary public,
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identification, which w	ere		* :
to me that the content:	s of the docume	nt are truthful and	document in my presence and swore or affirmed accurate to the best of (his) (her) knowledge ad it voluntarily for its stated purpose.
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SEAL			······
	No	otary Public	

Address: 9 Winding Valley Road
Hollis', New Hampshire 03049
Citizenship: US

STATE/COMMONWEALTH OF SSSChURCTS
COUNTY OF COUNTY

Inventor: John A. Wertz

2794078.1

PATENT REEL: 047919 FRAME: 0624

My commission expires: