504330323 04/20/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RICHARD E. GAHAN	11/25/2015

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:	14509571

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: 6176468000

Email: PATENTS ROBW@WOLFGREENFIELD.COM

Correspondent Name: WOLF, GREENFIELD & SACKS, P.C.

Address Line 1: 600 ATLANTIC AVENUE

Address Line 4: BOSTON, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER:	DOCKET NUMBER: H0818.70023US02	
NAME OF SUBMITTER:	MELANIE CHIUSANO	
SIGNATURE:	/Melanie Chiusano/	
DATE SIGNED:	04/20/2017	

Total Attachments: 3

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PATENT 504330323 REEL: 042080 FRAME: 0661

ASSIGNMENT

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

- 1, 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 Assignce, 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 October 8, 2014 under No. 14/509,571, bearing Attorney Docket No. H0818.70023US02, and entitled WAVED FILTER MEDIA AND ELEMENTS, and in and to the application and all corresponding provisional, nonprovisional, 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 altorney-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.

4379358.1

12/1/2015 Date

Inventor: David T. Healey

Address: 89 High Ridge Road

Bellingham, Massachusetts 02019

Citizenship: US

COUNTY OF

On this

personally appeared

day of

David T. Healey

before me, the undersigned notary public,

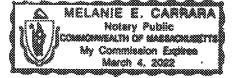
, proved to me through satisfactory evidence of

identification, which were

to be the person who signed the preceding of 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:



Nov. 25, 2015

Inventor: Richard

Address: 10 Saddleback Drive

Wrentham, Massachusetts 02093

Citizenship: US

STATE/COMMONWEALTH OF

COUNTY OF NORSED LIC

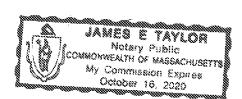
On this 25" day of 100 had 2015, before me, the undersigned notary public, personally appeared Richard E. Gahan , proved to me through satisfactory evidence of identification, which were 1210 feet 100 to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge

and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

My commission expires:

My Commission Expline October 45, 2020



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RECORDED: 04/20/2017