

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID THOMAS HEALEY	03/24/2008
RICHARD E. GAHAN	03/20/2008
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HOLLINGSWORTH & VOSE COMPANY
<b>Street Address:</b>	112 WASHINGTON STREET
<b>City:</b>	EAST WALPOLE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02032
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14042210
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	H0818.70007US05
<b>NAME OF SUBMITTER:</b>	MELANIE CHIUSANO
<b>SIGNATURE:</b>	/Melanie Chiusano/
<b>DATE SIGNED:</b>	07/15/2014
<b>Total Attachments: 3</b>	
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**ASSIGNMENT**

We, David Thomas Healey, of Bellingham, Massachusetts, and Richard E. Gahan, of Wrentham, Massachusetts in consideration of One Dollar and other valuable consideration paid to us by

**HOLLINGSWORTH & VOSE COMPANY**

a corporation of Massachusetts, having its principal place of business at 112 Washington Street, East Walpole, MA 02032, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

**HOLLINGSWORTH & VOSE COMPANY**

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

**WAVED FILTER MEDIA AND ELEMENTS**

described in a patent application filed in the United States Patent and Trademark Office on **February 27, 2008**, and assigned application Serial No.: **12/038,049** and in all Letters Patent of the United States and all oreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

[SIGNATURES ON NEXT 2 PAGES]

WITNESS my hand and seal this 24<sup>th</sup> day of March, 2008.

By: David Thomas Healey  
David Thomas Healey

NOTARIAL SEAL

State/Commonwealth of: Massachusetts  
County of: Norfolk

On this 24<sup>th</sup> day of March, 2008 before me, the undersigned notary public, personally appeared David Thomas Healey, proved to me through satisfactory evidence of identification, which were personal knowledge, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

Maryalis D. Bushee (official signature and seal of Notary)

My Commissioner Expires: Maryalis D. Bushee  
~~NOTARY PUBLIC~~  
My Commission Expires  
December 17, 2010

WITNESS my hand and seal this 20 day of March, 2008.

By: *Richard E. Gahan*  
Richard E. Gahan

NOTARIAL SEAL

State/Commonwealth of: Massachusetts  
County of: Norfolk

On this 20<sup>th</sup> day of March, 2008 before me, the undersigned notary public, personally appeared Richard E. Gahan, proved to me through satisfactory evidence of identification, which were personal knowledge, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

*Maryalis D. Bushee* (official signature and seal of Notary)

My Commissioner Expires: Maryalis D. Bushee  
**NOTARY PUBLIC**  
My Commission Expires  
December 17, 2010

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