

## 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>
EDWARD A. JOHNSON	06/17/1997
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ION OPTICS, INC.
<b>Street Address:</b>	411 WAVERLY OAKS ROAD
<b>Internal Address:</b>	SUITE 144
<b>City:</b>	WALTHAM
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02154
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	09190843
<b>PCT Number:</b>	US9712604
<b>CORRESPONDENCE DATA</b>	
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<b>Correspondent Name:</b>	TIMOTHY J. OYER
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<b>ATTORNEY DOCKET NUMBER:</b>	N0410.70008US02/WO00
<b>NAME OF SUBMITTER:</b>	LUCIE DEBELLIS
<b>SIGNATURE:</b>	/LUCIE DEBELLIS/
<b>DATE SIGNED:</b>	07/21/2015
<b>Total Attachments: 1</b>	
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ASSIGNMENT of PATENT RIGHTS

I, Edward A. Johnson, 38 Old Stagecoach Road, Bedford, Massachusetts, 01730, in consideration of One Dollar and other valuable consideration paid to me by

Ion Optics, Inc.

a corporation of Massachusetts, having its principal place of business at 411 Waverly Oaks Road, Suite 144, Waltham, MA 02154, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Ion Optics, Inc.

its successors and assigns, my 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

INFRARED RADIATION FILAMENT AND METHOD OF MANUFACTURE

described in an application Serial No. 08/511,070, filed on August 3, 1995 in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign 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 I agree, for myself and my 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 I 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.

WITNESS my hand and seal this 17<sup>th</sup> day of June, 1997.

By: [Signature]  
Edward A. Johnson

Commonwealth of Massachusetts) )ss  
County of Middlesex )

Then personally appeared the above named Inventor and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 17 day of June, 1997.

[Signature]  
Notary Public

17 ELIZABETH A. MOLLOY  
Notary Public  
My Commission Expires April 30, 2004  
My commission expires: