

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Douglas Kemp</td> <td>07/17/2008</td> </tr> <tr> <td>Leonie Rosenstiel</td> <td>08/08/2008</td> </tr> <tr> <td>Jeffrey Fry</td> <td>08/29/2008</td> </tr> <tr> <td>Hugh Gibson</td> <td>08/29/2008</td> </tr> </tbody> </table>		Name	Execution Date	Douglas Kemp	07/17/2008	Leonie Rosenstiel	08/08/2008	Jeffrey Fry	08/29/2008	Hugh Gibson	08/29/2008
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<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	Lumen Associates										
<b>Street Address:</b>	29 Dogberry Hill Rd.										
<b>Internal Address:</b>	Suite 101										
<b>City:</b>	St. Philip's, Newfoundland										
<b>State/Country:</b>	CANADA										
<b>Postal Code:</b>	A1M 1B3										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12097832</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12097832						
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Application Number:	12097832										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(617)535-3800										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	617-535-4000										
<b>Email:</b>	kciarmataro@mwe.com										
<b>Correspondent Name:</b>	Toby H. Kusmer										
<b>Address Line 1:</b>	28 State St.										
<b>Address Line 2:</b>	IP Docketing										
<b>Address Line 4:</b>	Boston, MASSACHUSETTS 02109										
<b>ATTORNEY DOCKET NUMBER:</b>	050026-0037 GRBK-6										
<b>NAME OF SUBMITTER:</b>	Toby H. Kusmer										

CH \$40.00 12097832

Total Attachments: 5

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ASSIGNMENT OF PATENT RIGHTS

We, **Douglas Kemp**, residing at 210, 134 Portugal Cove Road, St. John's, Newfoundland, A1B 2N2, Canada, **Leonie Rosenstiel**, residing at 7542 Bear Canyon Road, N.E., Albuquerque, New Mexico 87109, U.S.A., **Jeffrey Fry**, residing at 29 Dogberry Hill Road, St. Philip's, Newfoundland A1M 1B3, Canada, and **Hugh Gibson**, residing at 32 Dunluce Crescent, Mt. Pearl, Newfoundland A1N 5H8, Canada, respectively having invented improvements in APPARATUS FOR IRRADIATION OF FLUID WITH ELECTROMAGNETIC RADIATION AND METHOD FOR THE SAME, and having filed a patent application for United States patent describing the same based thereon, Serial No. 12/097,832, Filed June 17, 2008, for good and valuable consideration, receipt of which is hereby acknowledged from **LUMEN ASSOCIATES**, a Canadian corporation, having its principal place of business at Suite 101, 29 Dogberry Hill Road, St. Philip's, Newfoundland A1M 1B3 Canada, (hereinafter called the "Assignee", which term shall include its successors and assigns), do hereby sell, assign and transfer unto the Assignee, our entire right, title, and interest, in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto, in and to and under said application (which term shall include hereinafter where the context so admits all divisional, continuing, reissue and other patent applications based thereon) and the inventions (which term shall include each and every such invention, or part thereof) therein described, and any and all patents and like rights of exclusion (including extensions thereof) of any country which may be granted on or for said inventions or on said application;

And for the same consideration we do also hereby sell, assign and transfer unto the Assignee all our rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty and all other treaties of like purpose in respect of said inventions and said application, and do hereby authorize the Assignee to apply in our name or in their own name (in a manner to be agreed upon by the Assignee) or their designee, for patents and like rights of exclusion on or for said inventions in all countries, claiming (if the Assignee so desires) the priority of the filing date of said application under the provisions of said Convention, Treaty or any such other Convention or Treaty;

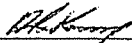
And for the same consideration we do hereby agree for ourselves and for our respective heirs, executors and administrators, promptly upon request of the Assignee, to execute and deliver without further compensation any power of attorney, assignment, original, divisional, continuing, reissue or other application or applications for patent or patents or like rights of exclusion of any country, or other lawful documents and any further

assurances that may be deemed necessary or desirable by the Assignee fully to secure to it said right, title, and interest as aforesaid in and to said inventions, application, and said several patents and like rights of exclusion, or any of them, all, however, at the expense of the Assignee;

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and the corresponding Official of each country foreign thereto to issue to the Assignee any and all patents and like rights of exclusion which may be granted in any country upon said application or on or for said inventions;


And we do hereby covenant for ourselves and for our respective legal representatives and agree with the Assignee that we have granted no right or license to make, use or sell said inventions to anyone except the Assignee, that prior to the execution of this deed my right, title and interest in and to said inventions has not been otherwise encumbered by us, and that we have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I hereunto set my hand and seal on the day and year hereinafter noted.

  
\_\_\_\_\_  
DOUGLAS KEMP

State of Alberta )  
County of Red Deer ) ss.

Before me this 17 day of July, year of 2008, personally appeared DOUGLAS KEMP, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.

  
\_\_\_\_\_  
Notary Public

Kaylea G. Lax  
Student At Law

Seal

IN WITNESS WHEREOF, I hereunto set my hand and seal on the day and year hereinafter noted.

LEONIE ROSENSTIEL

State of New Mexico )  
County of Bernalillo ) ss.

Before me this 8 day of Aug, year of 2008, personally appeared Leonie Rosenstiel, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.

Espey Espinoza II  
Notary Public

Seal



IN WITNESS WHEREOF, I hereunto set my hand and seal on the day and year hereinafter noted.

JEFFREY FRY

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.

Before me this \_\_\_\_ day of \_\_\_\_\_, year of \_\_\_\_\_, personally appeared Jeffrey Fry, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.

\_\_\_\_\_  
Notary Public

Seal

IN WITNESS WHEREOF, I hereunto set my hand and seal on the day and year hereinafter noted.

\_\_\_\_\_  
LEONIE ROSENSTIEL


State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.

Before me this \_\_\_\_ day of \_\_\_\_\_, year of \_\_\_\_\_, personally appeared Leonie Rosenstiel, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.

\_\_\_\_\_  
Notary Public

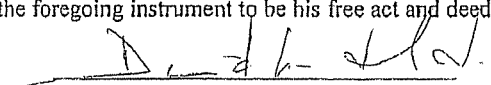
Seal

IN WITNESS WHEREOF, I hereunto set my hand and seal on the day and year hereinafter noted.

  
\_\_\_\_\_  
JEFFREY FRY


State of Newfoundland )  
County of \_\_\_\_\_ ) ss.

Before me this 29 day of August, year of 2008, personally appeared Jeffrey Fry, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.

  
\_\_\_\_\_  
Notary Public

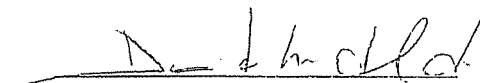
Seal

IN WITNESS WHEREOF, I hereunto set my hand and seal on the day and year hereinafter noted.

  
\_\_\_\_\_  
Hugh Gibson

State of Newfoundland )  
County of Parad. ) ss.

Before me this 29<sup>th</sup> day of August, year of 2008, personally appeared Hugh Gibson, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.

  
\_\_\_\_\_  
Notary Public

Seal

Toby H. Kusmer, P.C.  
McDermott Will & Emery LLP  
28 Sinte Street  
Boston, MA 02109-1775  
Tel: 617/535-4065  
Fax: 617/535-3800

Assignment  
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