

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Robert A. Flowers</td> <td>07/16/2012</td> </tr> <tr> <td>Esther Pesciotta Miller</td> <td>07/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	Robert A. Flowers	07/16/2012	Esther Pesciotta Miller	07/11/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Lehigh University</td> </tr> <tr> <td>Street Address:</td> <td>526 Brodhead Avenue</td> </tr> <tr> <td>City:</td> <td>Bethlehem</td> </tr> <tr> <td>State/Country:</td> <td>PENNSYLVANIA</td> </tr> <tr> <td>Postal Code:</td> <td>18015</td> </tr> </table>		Name:	Lehigh University	Street Address:	526 Brodhead Avenue	City:	Bethlehem	State/Country:	PENNSYLVANIA	Postal Code:	18015
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 6784209301 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 6784209300 Email: wilsonj@ballardspahr.com Correspondent Name: Kevin W. Hathcock Address Line 1: 999 Peachtree Street Address Line 2: Suite 1000 Address Line 4: Atlanta, GEORGIA 30309</p>											
ATTORNEY DOCKET NUMBER:	22000.0228U2										
NAME OF SUBMITTER:	Kevin W. Hathcock										
Signature:	/Kevin W. Hathcock/										
Date:	05/28/2013										

OP \$40.00 13402104

Total Attachments: 4

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ASSIGNMENT

WHEREAS, we, **ROBERT A. FLOWERS** of 433 E. Beil Avenue, Nazareth, PA 18064, and **ESTHER PESCIOTTA MILLER** of 1604 Kathy Drive, Yardley, PA 19067, have invented new and useful improvements in "**NONAQUEOUS BACKSCATTERING INTERFEROMETRIC METHODS**," for which a United States Provisional Patent Application was filed on February 22, 2012, and assigned Application No. 13/402,104; and

WHEREAS, **LEHIGH UNIVERSITY**, whose post-office address is 526 Brodhead Avenue, Bethlehem, PA 18015, is desirous of acquiring the entire interest in the same;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, **ROBERT A. FLOWERS** and **ESTHER PESCIOTTA MILLER**, hereby do sell, assign and transfer unto said **LEHIGH UNIVERSITY** the entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue, reexamination, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the Paris Convention arising from said application; the same for **LEHIGH UNIVERSITY'S** legal representatives and assigns, as fully and entirely as the same would have been held by me had this assignment and sale not been made;

AND, we hereby bind ourselves, our heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended

to be made and generally do everything possible to aid LEHIGH UNIVERSITY, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world.

[Signatures begin on next page]

IN WITNESS WHEREOF, I have executed this Assignment this 16 day

of July, 2011 *Rob*

Robert A. Flowers (L.S.)
ROBERT A. FLOWERS

State of _____

County of _____

Marie A. Bartos 7/16/12
MARIE A. BARTOS
Andrew Abraham 7/16/12
ANDREW ABRAHAM

On this _____ day of _____, 2011, before me, a Notary Public, came **ROBERT A. FLOWERS**, to me known and known to be the individual described in and who executed the foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.

Notary Public

My Commission Expires: _____

IN WITNESS WHEREOF, I have executed this Assignment this 11 day
of July, 2012.

(L.S.)

Esther Pesciotta Miller

ESTHER PESCIOTTA MILLER

State of Pennsylvania

County of Philadelphia

On this 11 day of July, 2012, before me, a Notary Public, came
ESTHER PESCIOTTA MILLER, to me known and known to be the individual described in
and who executed the foregoing assignment, and he/she duly acknowledged the same to be
his/her free act and deed.

Notary Public

witness: Jacqueline Maamou
7.11.12

My Commission Expires: _____