

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<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>Zulfadzli Yusoff</td> <td>03/30/2004</td> </tr> <tr> <td>Walter Belardi</td> <td>01/28/2005</td> </tr> <tr> <td>Peh Chiong Teh</td> <td>08/16/2004</td> </tr> <tr> <td>Ju Han Lee</td> <td>08/10/2004</td> </tr> <tr> <td>Tanya Mary Monro</td> <td>04/01/2004</td> </tr> <tr> <td>David John Richardson</td> <td>03/29/2004</td> </tr> </tbody> </table>		Name	Execution Date	Zulfadzli Yusoff	03/30/2004	Walter Belardi	01/28/2005	Peh Chiong Teh	08/16/2004	Ju Han Lee	08/10/2004	Tanya Mary Monro	04/01/2004	David John Richardson	03/29/2004
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Ju Han Lee	08/10/2004														
Tanya Mary Monro	04/01/2004														
David John Richardson	03/29/2004														
<b>RECEIVING PARTY DATA</b>															
<b>Name:</b>	University of Southampton														
<b>Street Address:</b>	Highfield														
<b>City:</b>	Southampton														
<b>State/Country:</b>	UNITED KINGDOM														
<b>Postal Code:</b>	SO17 1BJ														
<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>10490907</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	10490907										
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Application Number:	10490907														
<b>CORRESPONDENCE DATA</b>															
Fax Number:	(216)621-6165														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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<b>NAME OF SUBMITTER:</b>	Don W. Bulson														

OP \$40.00 10490907

Total Attachments: 8

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**PATENT  
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ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

NAME(S) AND ADDRESS(ES) OF INVENTOR(S)

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c/o Center for Enterprise & Innovation  
University of Southampton  
Highfield, Southampton  
Hampshire SO17 1BJ  
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Ju Han Lee  
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David John Richardson  
c/o Center for Enterprise & Innovation  
University of Southampton  
Highfield, Southampton  
Hampshire SO17 1BJ  
UNITED KINGDOM

(hereinafter referred to as ASSIGNOR), have invented a certain invention entitled:

TITLE OF INVENTION

OPTICAL FIBRE-BASED DEVICES UTILISING THE RAMAN EFFECT

for which application for Letters Patent of the United States has been:

[authorization is hereby given for any attorney of record in the subject patent application to insert below the application number and filing date information for this application when that information becomes available]

PARTICULARS OF APPLICATION

executed concurrently herewith,  
 filed under U.S. Application No. \_\_\_\_\_ on \_\_\_\_\_,  
 filed under PCT Application No. PCT/GB02/04400 on September 27, 2002, or  
 filed under Express Mail Label No. \_\_\_\_\_ on \_\_\_\_\_.

WHEREAS:

NAME, STATE OF INCORPORATION AND ADDRESS OF ASSIGNEE

University of Southampton  
Highfield, Southampton  
Hampshire SO17 1BJ  
UNITED KINGDOM

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor.

Now, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns, the entire right, title and interest to said invention so far as concerns the United States and the Territories and Possessions thereof, including the right to claim priority, and said application and all Letters Patent of the United

PATENT

REEL: 015635 FRAME: 0652

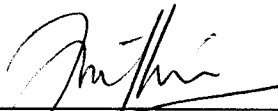
States to be obtained on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

FULL NAME(S) OF  
INVENTORS(S)

Date 30/03/04

  
Zulfadzli Yusoff

Date \_\_\_\_\_

Walter Belardi

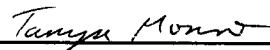
Date \_\_\_\_\_

Peh Chiong Teh

Date \_\_\_\_\_

Ju Han Lee

Date 1/4/2004

  
Tanya Mary Monro

Date 29/3/2004

  
David John Richardson

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FULL NAME(S) OF  
INVENTORS(S)

Date \_\_\_\_\_  
Zulfadzli Yusoff

Date \_\_\_\_\_  
Walter Belardi

Date 16 AUGUST 2004  
  
Peh Chiong Teh

Date \_\_\_\_\_  
Ju Han Lee

Date \_\_\_\_\_  
Tanya Mary Monro

Date \_\_\_\_\_  
David John Richardson

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02 Nov 2002

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\_\_\_\_\_  
Zulfadzli Yusoff

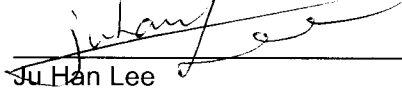
Date \_\_\_\_\_

\_\_\_\_\_  
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Date 10 Aug 2004

  
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Ju Han Lee

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\_\_\_\_\_  
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FULL NAME(S) OF INVENTORS(S)

Date \_\_\_\_\_


Date 28 / 01 / 2005

Date \_\_\_\_\_

Date \_\_\_\_\_

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