

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3505104

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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>         |
| CHRISTY CUMMINS   | 11/10/2005                    |
| ROBERT K. STEVENSON   | 11/10/2005                    |
| <b>RECEIVING PARTY DATA</b>   |                               |
| <b>Name:</b>  | NOVA SCIENCE LIMITED          |
| <b>Street Address:</b>  | 3010 LAKE DRIVE               |
| <b>Internal Address:</b>  | CITYWEST                      |
| <b>City:</b>  | DUBLIN                        |
| <b>State/Country:</b>   | IRELAND                       |
| <b>Postal Code:</b>   | 24                            |
| <b>PROPERTY NUMBERS Total: 1</b>  |                               |
| <b>Property Type</b>  | <b>Number</b>                 |
| Application Number:   | 14839658                      |
| <b>CORRESPONDENCE DATA</b>  |                               |
| <b>Fax Number:</b>  | (801)328-1707                 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |                               |
| <b>Phone:</b>   | 801-533-9800                  |
| <b>Email:</b>   | mshupe@wnlaw.com              |
| <b>Correspondent Name:</b>  | WORKMAN NYDEGGER/ABBOTT       |
| <b>Address Line 1:</b>  | 60 EAST SOUTH TEMPLE          |
| <b>Address Line 2:</b>  | SUITE 1000                    |
| <b>Address Line 4:</b>  | SALT LAKE CITY, UTAH 84111    |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 16497.124.1.1.1.1             |
| <b>NAME OF SUBMITTER:</b>   | PAUL N. TAYLOR                |
| <b>SIGNATURE:</b>   | /Paul N. Taylor, Reg.# 57271/ |
| <b>DATE SIGNED:</b>   | 08/28/2015                    |
| <b>Total Attachments: 11</b>  |                               |
| source=16497-124-1-1-1-1 2015-08-28 Assignment_Inventors To Nova Science#page1.tif  |                               |
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source=16497-124-1-1-1-1 2015-08-28 Assignment\_Inventors To Nova Science#page6.tif  
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source=16497-124-1-1-1-1 2015-08-28 Assignment\_Inventors To Nova Science#page11.tif

THIS ASSIGNMENT is made the 10<sup>th</sup> day of November Two Thousand and Five

**BETWEEN**

**James E. COLEMAN** an Irish Citizen of 20 Greenmount Road, Terenure, Dublin 6, Ireland  
(referred to herein as "Mr. Coleman")

**Christy CUMMINS** an Irish Citizen of 9 Furnes Manor, Johnstown, Naas, County Kildare, Ireland  
(referred to herein as "Mr. Cummins")

**Christopher MARTIN** an Irish Citizen of ~~2 Blackburn Square, Rathfarnham, Dublin 14, Ireland~~  
*AUSTRIAN OF 33 GREENTREES RD DUBLIN 12*  
*CM 12 OCT 05*  
(referred to herein as "Mr. Martin")

**Thomas ANTHONY** an Irish Citizen of ~~49 Grange Downs, Rathfarnham, Dublin 14, Ireland~~  
*Helm St. Piltown, Co. Kilkenny*  
*T.A 18 OCT 05*  
(referred to herein as "Mr. Anthony")

**Sean MORRIS** an Irish Citizen of Newpark, Kiltoom, Athlone, County Roscommon, Ireland  
(referred to herein as "Mr. Morris")

**Paul HOOI** an Irish Citizen of 105 Broadford Hill, Ballinteer, Dublin 16, Ireland (referred to herein as "Mr. Hooi")

**Robert STEVENSON** an Irish Citizen of 15 Lawrence Grove, Clontarf, Dublin 3, Ireland (referred to herein as "Mr. Stevenson")

(Mr. Coleman, Mr. Cummins, Mr. Martin, Mr. Anthony, Mr. Morris, Mr. Hooi and Mr. Stevenson are referred to collectively herein as "the Assignors")

**AND**

**NOVA SCIENCE LIMITED** an Irish Limited Company of 3010 Lake Drive, Citywest, Dublin 24, Ireland (hereinafter called "the Assignee") of the other part.

**WHEREAS**

(a) The Assignors were each employed by the Assignee under contracts of employment (hereinafter

referred to as the Contracts) having the following dates:

Mr. Coleman's Contract:

16<sup>th</sup> September 1999

Mr Cummins' Contract:

16<sup>th</sup> September 1999

Mr. Martin's Contract:

16<sup>th</sup> November 1999

Mr. Anthony's Contract:

7<sup>th</sup> October 1999

Mr. Morris' Contract:

15<sup>th</sup> October 1999

Mr. Hooi's Contract:

2<sup>nd</sup> October 2000

Mr. Stevenson's Contract:

22<sup>nd</sup> June 2001

(b) Under the terms of each of the Contracts it was agreed that all inventions, improvements, discoveries and designs made by each of the Assignors during the period of their employment by the Assignee were to be the sole and exclusive property of the Assignee and it was further agreed in the Contracts that at the request of the Assignee the Assignors would take such action and execute or sign such application forms, deeds or other documents or instruments as may be necessary or desirable in order to vest in the Assignee the full benefit of any such invention, improvement, or discovery or any patent or patent application relating thereto and of any such design or any registration or application for registration relating thereto

(c) During the terms of their employments each of the Assignors has alone or jointly invented one or more inventions ("the Inventions") and certain patent applications (the "Patent Applications") have been filed in the names of those of the Assignors who were the inventors in each case

(d) Short details identifying each of the Inventions, the Patent Applications filed in respect of each Invention, and the identity of the Assignors who were named as the inventors of each Invention and in whose name(s) the Patent Applications were filed in respect of each of the Inventions, are set out in Schedule I hereto

(e) The parties hereto now wish to formally transfer all rights in and to the Inventions including the Patent Applications set out in Schedule I hereto and any divisional, continuation, continuation-in-part or continued prosecution application which has been or may be filed based on such Patent Applications together with any Patents granted thereon and any further patent applications which may be filed in any country of the World in respect of the Invention (which patent applications and

patents are collectively referred to herein as the Patent Rights) with the intent that all the Patent Rights in respect of the Inventions should vest in the Assignee

**NOW THIS DEED WITNESSETH**

In consideration of the hereinbefore recited premises and the sum of one Euro (€1.00) paid by the Assignee to each of the Assignors at the signing of this Assignment, the Assignors hereby confirm the assignment to the Assignee of the Inventions, the Patent Rights, the right, title and interest therein and all the rights, powers, privileges and immunities conferred on the proprietor thereof by the grant of the Patent Rights free from all incumbrances and including the right to sue for damages and other remedies in respect of any infringement of the Patents which may have occurred prior to the date hereof **TO HOLD** unto the Assignee absolutely

The Assignors agree that they will at the expense of the Assignee take such further action and execute or sign any such application forms, deeds or other documents or instruments as may be necessary or desirable in order to vest in the Assignee the full benefit of the Inventions and the Patent Rights

**IN WITNESS WHEREOF** the parties hereto have executed this Assignment the day and year first above written

**SIGNED, SEALED and DELIVERED** by the said

**James E. COLEMAN:**




(Signature of Mr. COLEMAN)

In the presence of:



(1st witness signature)



(2nd witness signature)

**SIGNED, SEALED and DELIVERED by the said  
Christy CUMMINS:**

Christy Cummins

(Signature of Mr. Cummins)

**In the presence of:**

Moore Cooley

(1st witness signature)

Sen Morris

(2nd witness signature)

**SIGNED, SEALED and DELIVERED by the said  
Christopher MARTIN:**

Chris Martin

(Signature of Mr. Martin)

**In the presence of:**

J. Coleman

(1st witness signature)

Moore Cooley

(2nd witness signature)

**SIGNED, SEALED and DELIVERED by the said  
Thomas ANTHONY:**

Tom Anthony

(Signature of Mr. Anthony)

**In the presence of:**

Moore Cooley

(1st witness signature)

L. Miller

(2nd witness signature)

**SIGNED, SEALED and DELIVERED by the said  
Sean MORRIS:**

Sean Morris

(Signature of Mr. Morris)

**In the presence of:**

Christy Wynn

(1st witness signature)

Morie Coakley

(2nd witness signature)

**SIGNED, SEALED and DELIVERED by the said  
Paul HOOI:**

Paul Hooi

(Signature of Mr. Hooi)

**In the presence of:**

Christy Wynn

(1st witness signature)

Sean Morris

(2nd witness signature)

**SIGNED, SEALED and DELIVERED by the said  
Robert Stevenson:**

Robert Stevenson

(Signature of Mr. Stevenson)

**In the presence of:**

Christy Wynn

(1st witness signature)

Paul Hooi

(2nd witness signature)

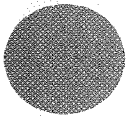
**The Common Seal of NOVA SCIENCE LIMITED**

was affixed hereto in the presence of

Signed: James Coleman

Name: JAMES COLEMAN

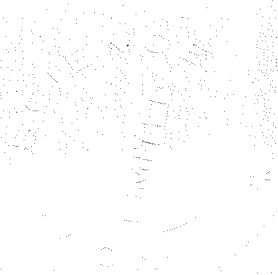
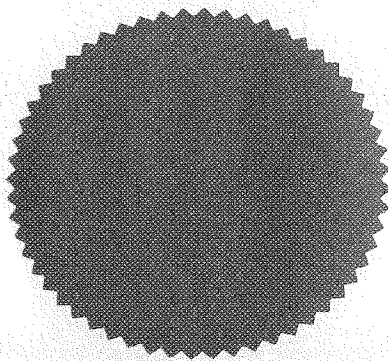
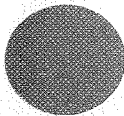
Capacity: BOARD Director Nova Science



Signed: Christy Cummins

Name: CHRISTY CUMMINS

Capacity: INVENTOR





**SCHEDULE I REFERRED TO HEREIN****Invention 1**

“Device for Locating a Puncture Hole in a Liquid-Carrying Vessel”

Inventors: Mr. Coleman, Mr. Cummins, Mr. Anthony, Mr. Martin and Mr. Morris

| Country/Region            | Application No. | Filing Date       | Patent No. (if granted) |
|---------------------------|-----------------|-------------------|-------------------------|
| Patent Cooperation Treaty | PCT/IE01/00115  | September 7, 2001 |                         |
| European Patent           | 01967638.6      | September 7, 2001 |                         |
| USA                       | 09/949,398      | September 7, 2001 | 6,669,714               |

**Invention 2**

“Surgical Staple”

Inventors: Mr. Coleman, Mr. Cummins, Mr. Anthony, Mr. Martin and Mr. Morris

| Country/Region            | Application No. | Filing Date       | Patent No. (if granted) |
|---------------------------|-----------------|-------------------|-------------------------|
| Ireland                   | S2000/0724      | September 8, 2000 |                         |
| South Africa              | 2001/0528       | January 18, 2001  | 2001/0528               |
| Patent Cooperation Treaty | PCT/IE01/00117  | September 7, 2001 |                         |
| Australia                 | 88008/2001      | September 7, 2001 |                         |
| Canada                    | 2,421,856       | September 7, 2001 |                         |
| European Patent           | 01967640.2      | September 7, 2001 |                         |
| Japan                     | 2002-524410     | September 7, 2001 |                         |
| USA                       | 09/949,438      | September 7, 2001 | 6,616,686               |

Invention 3

## "Surgical Stapler"

Inventors: Mr. Coleman, Mr. Cummins, Mr. Martin, Mr. Anthony and Mr. Morris

| Country/Region            | Application No. | Filing Date       | Patent No. (if granted) |
|---------------------------|-----------------|-------------------|-------------------------|
| Ireland                   | S2001/0815      | September 7, 2001 | S82464                  |
| Ireland                   | S2000/0722      | September 8, 2000 |                         |
| South Africa              | 2001/0527       | January 18, 2001  | 2001/0527               |
| Patent Cooperation Treaty | PCT/IE01/00118  | September 7, 2001 |                         |
| Australia                 | 88009/2001      | September 7, 2001 |                         |
| Canada                    | 2,421,950       | September 7, 2001 |                         |
| European Patent           | 01967641.0      | September 7, 2001 |                         |
| Japan                     | 2002-524408     | September 7, 2001 |                         |
| USA                       | 09/948,813      | September 7, 2001 | 6,582,452               |
| USA                       | 10/455,768      | September 7, 2001 | 6,926,731               |
| USA                       | 11/113,549      | September 7, 2001 |                         |

Invention 4

"Surgical Staple"

Inventor: Mr. Cummins

| Country/Region            | Application No. | Filing Date  | Patent No. (if granted) |
|---------------------------|-----------------|--------------|-------------------------|
| Ireland                   | S2001/0547      | June 7, 2001 |                         |
| Ireland                   | S2002/0452      | June 4, 2002 | S82766                  |
| Patent Cooperation Treaty | PCT/IE02/00078  | June 4, 2002 |                         |
| Australia                 | 2002309204      | June 4, 2002 |                         |
| Canada                    | 2,422,231       | June 4, 2002 |                         |
| European Patent           | 02735922.3      | June 4, 2002 |                         |
| Japan                     | 2003-501349     | June 4, 2002 |                         |
| USA                       | 10/162,534      | June 4, 2002 |                         |
| USA                       | 10/240,183      | June 4, 2002 |                         |
| USA                       | 11/152,562      | June 4, 2002 |                         |

Invention 5

"Surgical Stapling Device"

Inventors: Mr. Anthony, Mr. Cummins and Mr. Hooi

| Country/Region            | Application No. | Filing Date    | Patent No. (if granted) |
|---------------------------|-----------------|----------------|-------------------------|
| Ireland                   | S2001/0749      | August 9, 2001 |                         |
| Ireland                   | S2002/0664      | August 8, 2002 | S82834                  |
| Patent Cooperation Treaty | PCT/IE02/00119  | August 8, 2002 |                         |
| Australia                 | 2002329011      | August 8, 2002 |                         |
| Canada                    | 2,456,813       | August 8, 2002 |                         |
| European Patent           | 02765297.3      | August 8, 2002 |                         |
| Japan                     | 2003-518382     | August 8, 2002 |                         |
| USA                       | 10/486,067      | August 8, 2002 |                         |

Invention 6

"Surgical Stapling Device and Method"

Inventor: Mr. Cummins

| Country/Region            | Application No. | Filing Date    | Patent No. (if granted) |
|---------------------------|-----------------|----------------|-------------------------|
| Ireland                   | S2001/0748      | August 9, 2001 |                         |
| Ireland                   | S2002/0665      | August 8, 2002 | S82887                  |
| Patent Cooperation Treaty | PCT/IE02/00118  | August 8, 2002 |                         |
| Australia                 | 2002328132      | August 8, 2002 |                         |
| Canada                    | 2,456,811       | August 8, 2002 |                         |
| European Patent           | 02762736.3      | August 8, 2002 |                         |
| Japan                     | 2003-518381     | August 8, 2002 |                         |
| USA                       | 10/486,070      | August 8, 2002 |                         |

Invention 7

"Blood Vessel Closure Clip and Delivery Device"

Inventors: Mr. Cummins and Mr. Stevenson

| Country/Region            | Application No. | Filing Date  | Patent No. (if granted) |
|---------------------------|-----------------|--------------|-------------------------|
| Ireland                   | S2002/0451      | June 4, 2002 |                         |
| Ireland                   | S2003/0424      | June 4, 2003 | S83188                  |
| Patent Cooperation Treaty | PCT/IE03/00088  | June 4, 2003 |                         |
| Australia                 | 2003238642      | June 4, 2003 |                         |
| Canada                    | 2,488,688       | June 4, 2003 |                         |
| European Patent           | 03732982.8      | June 4, 2003 |                         |
| Japan                     | 2004-508673     | June 4, 2003 |                         |
| USA                       | 10/517,004      | June 4, 2003 |                         |

Invention 8

"Surgical Stapling Device"

Inventors: Mr. Cummins and Mr. Hooi

| Country/Region            | Application No. | Filing Date  | Patent No. (if granted) |
|---------------------------|-----------------|--------------|-------------------------|
| Ireland                   | S2002/0552      | July 3, 2002 |                         |
| Ireland                   | S2003/0490      | July 1, 2003 | S83252                  |
| Patent Cooperation Treaty | PCT/IE03/00100  | July 1, 2003 |                         |
| Australia                 | 2003249547      | July 1, 2003 |                         |
| Canada                    | 2,490,581       | July 1, 2003 |                         |
| European Patent           | 03762855.9      | July 1, 2003 |                         |
| Japan                     | 2004-562030     | July 1, 2003 |                         |
| USA                       | 10/519,778      | July 1, 2003 |                         |

Invention 9

"Surgical Stapler"

Inventors: Mr. Coleman and Mr. Cummins

| Country/Region            | Application No.    | Filing Date  | Patent No. (if granted) |
|---------------------------|--------------------|--------------|-------------------------|
| Ireland                   | S2004/0368         | May 25, 2004 |                         |
| Ireland                   | S2005/0342         | May 25, 2005 |                         |
| Patent Cooperation Treaty | PCT/IE 2005/000059 | May 25, 2005 |                         |
| USA                       | 10/908,721         | May 24, 2005 |                         |