

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Peter P. EDWARDS</td> <td>09/17/2010</td> </tr> <tr> <td>Martin Owen JONES</td> <td>09/22/2010</td> </tr> <tr> <td>Malek Moshari AL-MAMOURI</td> <td>09/17/2010</td> </tr> <tr> <td>John Stuart ABELL</td> <td>09/20/2010</td> </tr> </tbody> </table>		Name	Execution Date	Peter P. EDWARDS	09/17/2010	Martin Owen JONES	09/22/2010	Malek Moshari AL-MAMOURI	09/17/2010	John Stuart ABELL	09/20/2010		
Name	Execution Date												
Peter P. EDWARDS	09/17/2010												
Martin Owen JONES	09/22/2010												
Malek Moshari AL-MAMOURI	09/17/2010												
John Stuart ABELL	09/20/2010												
RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>ISIS INNOVATION LIMITED</td> </tr> <tr> <td>Street Address:</td> <td>Ewert House</td> </tr> <tr> <td>Internal Address:</td> <td>Ewert Place Summertown</td> </tr> <tr> <td>City:</td> <td>Oxford</td> </tr> <tr> <td>State/Country:</td> <td>UNITED KINGDOM</td> </tr> <tr> <td>Postal Code:</td> <td>OX2 7SG</td> </tr> </table>		Name:	ISIS INNOVATION LIMITED	Street Address:	Ewert House	Internal Address:	Ewert Place Summertown	City:	Oxford	State/Country:	UNITED KINGDOM	Postal Code:	OX2 7SG
Name:	ISIS INNOVATION LIMITED												
Street Address:	Ewert House												
Internal Address:	Ewert Place Summertown												
City:	Oxford												
State/Country:	UNITED KINGDOM												
Postal Code:	OX2 7SG												
PROPERTY NUMBERS Total: 1													
<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>12920083</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12920083								
Property Type	Number												
Application Number:	12920083												
CORRESPONDENCE DATA													
<p>Fax Number: (650)494-0792</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (650) 813-5744</p> <p>Email: lguillermo@mofo.com</p> <p>Correspondent Name: Shannon Reaney</p> <p>Address Line 1: Morrison & Foerster LLP</p> <p>Address Line 2: 755 Page Mill Road</p> <p>Address Line 4: Palo Alto, CALIFORNIA 94304-1018</p>													
ATTORNEY DOCKET NUMBER:	251502009500												
NAME OF SUBMITTER:	Shannon Reaney												

CH \$40.00 12920083

501427429

PATENT
REEL: 025748 FRAME: 0543

Total Attachments: 3

source=251502009500Assignment#page1.tif

source=251502009500Assignment#page2.tif

source=251502009500Assignment#page3.tif

USA

J A Kemp Ref: N.103815B

ASSIGNMENT OF PATENT APPLICATION

(Inventors)

- (1) Peter P. EDWARDS a citizen of United Kingdom of:
Inorganic Chemistry Laboratory South Parks Road Oxford OX1 3QR United Kingdom
- (2) Martin Owen JONES a citizen of United Kingdom of:
Inorganic Chemistry Laboratory South Parks Road Oxford OX1 3QR United Kingdom
- (3) Malek Moshari AL-MAMOURI a citizen of United Kingdom of:
School of Chemistry and Chemical Engineering Queens University Belfast BT9 INN
United Kingdom
- (4) John Stuart ABELL a citizen of United Kingdom of:
Metallurgy and Materials The University of Birmingham Edgbaston Birmingham B15 2TT
United Kingdom

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) (5)

ISIS INNOVATION LIMITED

(Address) (6) of

Ewert House Ewert Place Summertown Oxford OX2 7SG United Kingdom

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries) (7)

in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(Title) (8)

TRANSPARENT CONDUCTING OXIDES

(Case No) : 25150-20095.00

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed

(9) on _____ or has already filed in

(10) U.S. appln Serial Number 12A20,083 filed on February 26, 2009 (Int'l)

(11) The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made

1) The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

2) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of valid United States patent to the Assignee.

3) The undersigned hereby authorize(s) and request(s) the Communication of Patents to issue any and all Letters patent of the United States resulting from said application or any division or divisions or continuing thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

4) The undersigned hereby grant(s) the firm of Morrison & Foerster LLP the power to insert on this assignment any further identification which may be necessary to desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

PPE Date 17/9/10 Signature of Inventor P. P. Edwards (1)
MOJ Date 22/9/10 Signature of Inventor Martin Jones (2)
Date _____ Signature of Inventor _____ (3)
Date _____ Signature of Inventor _____ (4)

Witnessed by

Witness

[Signature]

Date 17/9/10

Witness

[Signature]

Date 22/9/10

PATENT

REEL: 025748 FRAME: 0545

ASSIGNMENT OF PATENT APPLICATION

(Inventors)

- (1) Peter P. EDWARDS a citizen of United Kingdom of:
Inorganic Chemistry Laboratory South Parks Road Oxford OX1 3QR United Kingdom
- (2) Martin Owen JONES a citizen of United Kingdom of:
Inorganic Chemistry Laboratory South Parks Road Oxford OX1 3QR United Kingdom
- (3) Malek Moshari AL-MAMOURI a citizen of United Kingdom of:
School of Chemistry and Chemical Engineering Queens University Belfast BT9 1NN
United Kingdom
- (4) John Stuart ABELL a citizen of United Kingdom of:
Metallurgy and Materials The University of Birmingham Edgbaston Birmingham B15 2TT
United Kingdom

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) (5)

ISIS INNOVATION LIMITED

(Address) (6) of

Ewert House Ewert Place Summertown Oxford OX2 7SG United Kingdom

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries)

(7) _____ in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(Title)

(8) TRANSPARENT CONDUCTING OXIDES

(Case No) 25150-20095.00

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed

(9) on _____ or has already filed in

(10) U.S. appln Serial Number 12/920,083 filed on February 26, 2009 (Int'l)

(11) The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made

1) The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

2) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of valid United States patent to the Assignee.

3) The undersigned hereby authorize(s) and request(s) the Communication of Patents to issue any and all Letters patent of the United States resulting from said application or any division or divisions or continuing thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

4) The undersigned hereby grant(s) the firm of Morrison & Foerster LLP the power to insert on this assignment any further identification which may be necessary to desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date _____ Signature of Inventor _____ (1)

Date _____ Signature of Inventor _____ (2)

Date 17/9/2010 Signature of Inventor M Al _____ (3)

Date _____ Signature of Inventor _____ (4)

Witnessed by

Witness [Signature] Date 17/9/2010

Witness _____ Date _____

ASSIGNMENT OF PATENT APPLICATION

(Inventors)

- (1) **Peter P. EDWARDS** a citizen of United Kingdom of:
Inorganic Chemistry Laboratory South Parks Road Oxford OX1 3QR United Kingdom
- (2) **Martin Owen JONES** a citizen of United Kingdom of:
Inorganic Chemistry Laboratory South Parks Road Oxford OX1 3QR United Kingdom
- (3) **Malek Moshari AL-MAMOURI** a citizen of United Kingdom of:
School of Chemistry and Chemical Engineering Queens University Belfast BT9 1NN
United Kingdom
- (4) **John Stuart ABELL** a citizen of United Kingdom of:
Metallurgy and Materials The University of Birmingham Edgbaston Birmingham B15 2TT
United Kingdom

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) (5)

ISIS INNOVATION LIMITED

(Address) (6) of

Ewert House Ewert Place Summertown Oxford OX2 7SG United Kingdom

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries)

(7) _____ in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(Title)

(8) **TRANSPARENT CONDUCTING OXIDES**

(Case No) 25150-20095.00

JSA

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed

31.1.11

(9) on _____ or has already filed in

(10) U.S. appln Serial Number 12/920,083 filed on February 26, 2009 (Int'l)

(11) The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made

1) The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

2) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of valid United States patent to the Assignee.

3) The undersigned hereby authorize(s) and request(s) the Communication of Patents to issue any and all Letters patent of the United States resulting from said application or any division or divisions or continuing thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

4) The undersigned hereby grant(s) the firm of **Morrison & Foerster LLP** the power to insert on this assignment any further identification which may be necessary to desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date _____ Signature of Inventor _____ (1)

Date _____ Signature of Inventor _____ (2)

Date _____ Signature of Inventor _____ (3)

Date 20.9.10 Signature of Inventor J.S. Abell (4)

Witnessed by

Witness [Signature] Date 21.9.10

Witness _____ Date _____

PATENT