

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | | | | | |
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| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Gabriela POPA</td> <td>01/18/2013</td> </tr> <tr> <td>Gero DECHER</td> <td>01/25/2013</td> </tr> <tr> <td>Fouzia BOULMEDAIS</td> <td>01/18/2013</td> </tr> <tr> <td>Olivier FELIX</td> <td>01/17/2013</td> </tr> <tr> <td>Pierre SCHAAF</td> <td>01/18/2013</td> </tr> <tr> <td>Jean-Claude VOEGLE</td> <td>01/18/2013</td> </tr> <tr> <td>Joseph HEMMERLE</td> <td>01/18/2013</td> </tr> <tr> <td>Peng ZHAO</td> <td>01/19/2013</td> </tr> </tbody> </table> | | Name | Execution Date | Gabriela POPA | 01/18/2013 | Gero DECHER | 01/25/2013 | Fouzia BOULMEDAIS | 01/18/2013 | Olivier FELIX | 01/17/2013 | Pierre SCHAAF | 01/18/2013 | Jean-Claude VOEGLE | 01/18/2013 | Joseph HEMMERLE | 01/18/2013 | Peng ZHAO | 01/19/2013 |
| Name | Execution Date | | | | | | | | | | | | | | | | | | |
| Gabriela POPA | 01/18/2013 | | | | | | | | | | | | | | | | | | |
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| Pierre SCHAAF | 01/18/2013 | | | | | | | | | | | | | | | | | | |
| Jean-Claude VOEGLE | 01/18/2013 | | | | | | | | | | | | | | | | | | |
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| <table border="1"> <tr> <td>Name:</td> <td>CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)</td> </tr> <tr> <td>Street Address:</td> <td>3 rue Michel Ange</td> </tr> <tr> <td>City:</td> <td>Paris</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>F-75016</td> </tr> </table> | | Name: | CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) | Street Address: | 3 rue Michel Ange | City: | Paris | State/Country: | FRANCE | Postal Code: | F-75016 | | | | | | | | |
| Name: | CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) | | | | | | | | | | | | | | | | | | |
| Street Address: | 3 rue Michel Ange | | | | | | | | | | | | | | | | | | |
| City: | Paris | | | | | | | | | | | | | | | | | | |
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| <table border="1"> <tr> <td>Name:</td> <td>UNIVERSITE DE STRASBOURG</td> </tr> <tr> <td>Street Address:</td> <td>4 rue Blaise Pascal</td> </tr> <tr> <td>City:</td> <td>Strasbourg</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>F-67000</td> </tr> </table> | | Name: | UNIVERSITE DE STRASBOURG | Street Address: | 4 rue Blaise Pascal | City: | Strasbourg | State/Country: | FRANCE | Postal Code: | F-67000 | | | | | | | | |
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| Street Address: | 4 rue Blaise Pascal | | | | | | | | | | | | | | | | | | |
| City: | Strasbourg | | | | | | | | | | | | | | | | | | |
| State/Country: | FRANCE | | | | | | | | | | | | | | | | | | |
| Postal Code: | F-67000 | | | | | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <th>Property Type</th> <th>Number</th> </tr> <tr> <td>Application Number:</td> <td>13699050</td> </tr> </table> | | Property Type | Number | Application Number: | 13699050 | | | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | | | |
| Application Number: | 13699050 | | | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | | | |
| Fax Number: | | | | | | | | | | | | | | | | | | | |

CH \$40.00 13699050

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Email: tcoles@bannerwitcoff.com, BWPTOPAT@bannerwitcoff.com
Correspondent Name: BANNER & WITCOFF, LTD.
Address Line 1: 1100 13th Street, N.W.
Address Line 2: Suite 1200
Address Line 4: Washington, DISTRICT OF COLUMBIA 20005-4051

ATTORNEY DOCKET NUMBER:

217035.00093

NAME OF SUBMITTER:

Susan A. Wolffe

Total Attachments: 5

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ASSIGNMENT

WHEREAS, we,

Gabriela POPA, a citizen of Romanian, with mailing address at 30 rue de la Liberation, F-67200 STRASBOURG, FRANCE;

Gero DECHER, a citizen of Germany, with mailing address at Im Spatzenwinkel 12, 77694 KEHL-MARLEN, GERMANY

Fouzia BOULMEDAIS, a citizen of France, with mailing address at 3 place Saint Thomas, F-67000 STRASBOURG, FRANCE

Olivier FELIX, a citizen of France, with mailing address at 17 rue du Climont, F-67810 HOLTZHEIM, FRANCE

Pierre SCHAAF, a citizen of France, with mailing address at 5 rue de la Poudriere, F-67120 MOLSHEIM, FRANCE

Jean-Claude VOEGEL, a citizen of France, with mailing address at 10 rue des Flaques, F-67120 VALFF, FRANCE

Joseph HEMMERLE, a citizen of France, with mailing address at 44 rue Baldung Grien, F-67720 WEYERSHEIM, FRANCE

Peng ZHAO, a citizen of China, with mailing address at No. 65 Chifeng Rd., P.R.Shanghai, 200092 SHANGHAI, CHINA

are the inventors of certain inventions and improvements described in a U.S. patent application identified by having the title:

METHOD FOR PRODUCING THIN LAYERS

which application

[X] was filed as PCT International Application Number PCT/EP2011/058304, filed on May 20, 2011 and as US Application Serial Number 13/699,050, filed November 20, 2012.

and WHEREAS

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)

**3 rue Michel Ange
Paris, France
F-75016**

UNIVERSITE DE STRASBOURG

**4 rue Blaise Pascal
Strasbourg, France
F-67000**

ASSIGNEE, desires to acquire our entire rights, titles and interests in and to the said application, inventions and improvements and any patents that may be granted on or as a result thereof in the United States of America (U.S.) and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged,

We hereby assign, to the above named ASSIGNEE, its successors; assign and legal representatives (NOMINEES) our entire right, title and interest in and to said application, inventions and improvements throughout the world and to any and all patents, petty patents and utility model patents which may be granted therefor, and all continuations, continuations-in-part, divisions, reissues, extensions, renewals, and any non-provisional based on a provisional thereof (LETTERS PATENT).

And we covenant that we have full right to convey our entire interest herein assigned, and that we have not executed and will not execute any agreement or do anything in conflict herewith;

And we further covenant and agree that we will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said application, inventions and improvements, and LETTERS PATENT in the ASSIGNEE or its NOMINEES, and we agree to communicate to said ASSIGNEE or its NOMINEES all known facts respecting said application, inventions, improvements, and LETTERS PATENT, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid ASSIGNEE or its NOMINEES to obtain and enforce for their own benefit patent protection for said application, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEE or its NOMINEES;

And we authorize the ASSIGNEE or its NOMINEES to file in our name or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEE or its NOMINEES any and all

LETTERS PATENT for said application, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

And we hereby grant our attorneys at the law firm of Banner & Witcoff the power to insert into this document information sufficient to identify the patent application to which this assignment pertains.

| | |
|-------------------------|--------------------------------------------------|
| Date: <u>18/01/2013</u> | Inventor: <u><i>G. Popa</i></u> Gabriela POPA |
| Date: _____ | Inventor: _____ Gero DECHER |
| Date: _____ | Inventor: _____ Fouzia BOULMEDAIS |
| Date: _____ | Inventor: _____ Olivier FELIX |
| Date: _____ | Inventor: _____ Pierre SCHAAF |
| Date: _____ | Inventor: _____ Jean-Claude VOEGLE |
| Date: _____ | Inventor: _____ Joseph HEMMERLE |
| Date: _____ | Inventor: _____ Peng ZHAO |

Note: No legalization or other witness required.

LAW OFFICES
BANNER & WITCOFF, LTD.
1100 13th STREET, N.W.
WASHINGTON, D.C. 20005-4051
(202) 824-3000

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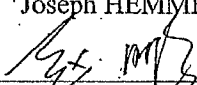
| | |
|-------------------------|---------------------------------------|
| Date: _____ | Inventor: _____ Gabriela POPA |
| Date: <u>25/01/13</u> | Inventor: _____ Cécile DECHER |
| Date: <u>18/01/2013</u> | Inventor: _____ Fouzia BOULMEDAIS |
| Date: <u>17/01/2013</u> | Inventor: _____ Olivier FELIX |
| Date: <u>18/1/2013</u> | Inventor: _____ Pierre SCHAAF |
| Date: <u>18/01/2013</u> | Inventor: _____ Jean-Claude VOEGLE |
| Date: <u>18/01/2013</u> | Inventor: _____ Joseph HEMMERLE |
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| Date: _____ | Inventor: _____ Pierre SCHAAF |
| Date: _____ | Inventor: _____ Jean-Claude VOËGLE |
| Date: _____ | Inventor: _____ Joseph HEMMERLE |
| Date: <u>2013.9.19</u> | Inventor: <u></u> Peng ZHAO |

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