

09/20/2011

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U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

9/16/11



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HEET

13/138665

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Shaik Mohammad Zakeeruddin executed April 6, 2010  
Peter Pechy executed April 16, 2010  
Michael Graetzel executed April 6, 2010

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) See above

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☒ Other Swiss Corporation

**2. Name and address of receiving party(ies)**

Name: Ecole Polytechnique Federale de Lausanne (EPFL)

Internal Address: \_\_\_\_\_

Street Address: EPFL-SRI, Station 10

City: CH-1015 Lausanne

State: \_\_\_\_\_

Country: Switzerland Zip: \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

A. Patent Application No.(s)

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Clifford W. Browning of Krieg DeVault LLP

Internal Address: \_\_\_\_\_

Street Address: One Indiana Square, Suite 2800

City: Indianapolis

State: IN Zip: 46204

Phone Number: (317) 238-6203

Fax Number: (317) 636-1507

Email Address: ipdocketing@kdlegal.com

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

Clifford W. Browning

Signature

September 16, 2011

Date

Clifford W. Browning

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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**PATENT**  
**REEL: 027062 FRAME: 0824**

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ASSIGNMENT (PATENT)

13/138665

WHEREAS, Shaik Mohammad ZAKEERUDDIN, Rue de l'Industrie 57, CH-1030 Bussigny-Lausanne, Switzerland hereinafter referred to as Assignor, has made a new and useful invention in

MODIFIED SURFACE

which is found in International Patent Application No. PCT/IB2010/051211, filed on March 19, 2010 and for which Assignor will make application for Letters Patent of the United States; and

WHEREAS, Ecole Polytechnique Fédérale de Lausanne (EPFL), with address at EPFL-SRI, Station 10, CH-1015 Lausanne, Switzerland, hereinafter referred to as Assignee, desires to acquire 100% of the right, title, and interest in, to and under said invention disclosed, described and claimed or intended so to be in said application, and in, to and under said application, and in, to and under any and all Letters Patent, United States and foreign, which may be obtained thereof and thereon;

NOW, THEREFORE, to all and whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient considerations to Assignor in hand paid, the receipt of which is hereby acknowledged, Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto Assignee, 100% of the right, title, and interest in, to and under said invention disclosed, described and claimed or intended so to be in said application, and any and all other applications thereon and arising therefrom, including any and all divisions and continuations thereof, and any and all divisions and continuations thereof, and any and all patents to be issued and obtained therefor and thereon, United States and foreign, including all reissues and extensions thereof.

Assignor hereby authorizes and requests the firm of Krieg DeVault LLP, One Indiana Square, Suite 2800, Indianapolis, IN 46204-2079, to insert here in parentheses (Serial No. \_\_\_\_\_, Filed \_\_\_\_\_ 20 \_\_) the date and serial number of said application for Letters Patent of the United States when officially known, and Assignor hereby authorizes and requests the Honorable Commissioner of Patents to issue said Letters Patent to Assignee, its assigns and legal representatives.

Assignor agrees to sign and execute any and all other papers necessary and desirable for the procurement of Letters Patent on said invention in this and all foreign countries for the use of Assignee.

WITNESS Assignor's hands this 6th day of April, 2010.

Shaik Mohammad ZAKEERUDDIN

S.M. Zakeeruddin

13/138665

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ASSIGNMENT (PATENT)

WHEREAS, Péter PÉCHY, Avenue de Chailly 63, CH-1012 Lausanne, Switzerland hereinafter referred to as Assignor, has made a new and useful invention in

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which is found in International Patent Application No. PCT/IB2010/051211, filed on March 19, 2010 and for which Assignor will make application for Letters Patent of the United States; and

WHEREAS, Ecole Polytechnique Fédérale de Lausanne (EPFL), with address at EPFL-SRI, Station 10, CH-1015 Lausanne, Switzerland, hereinafter referred to as Assignee, desires to acquire 100% of the right, title, and interest in, to and under said invention disclosed, described and claimed or intended so to be in said application, and in, to and under said application, and in, to and under any and all Letters Patent, United States and foreign, which may be obtained thereof and thereon;

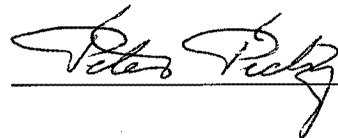
NOW, THEREFORE, to all and whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient considerations to Assignor in hand paid, the receipt of which is hereby acknowledged, Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto Assignee, 100% of the right, title, and interest in, to and under said invention disclosed, described and claimed or intended so to be in said application, and any and all other applications thereon and arising therefrom, including any and all divisions and continuations thereof, and any and all divisions and continuations thereof, and any and all patents to be issued and obtained therefor and thereon, United States and foreign, including all reissues and extensions thereof.

Assignor hereby authorizes and requests the firm of Krieg DeVault LLP, One Indiana Square, Suite 2800, Indianapolis, IN 46204-2079, to insert here in parentheses (Serial No. \_\_\_\_\_, Filed \_\_\_\_\_ 20 \_\_) the date and serial number of said application for Letters Patent of the United States when officially known, and Assignor hereby authorizes and requests the Honorable Commissioner of Patents to issue said Letters Patent to Assignee, its assigns and legal representatives.

Assignor agrees to sign and execute any and all other papers necessary and desirable for the procurement of Letters Patent on said invention in this and all foreign countries for the use of Assignee.

WITNESS Assignor's hands this 16 day of april, 2010.

Péter PÉCHY



PATENT

REEL: 027062 FRAME: 0826

ASSIGNMENT (PATENT)

WHEREAS, Michael GRAETZEL, Chemin de Marquisat 7a, CH-1025 St-Sulpice, Switzerland hereinafter referred to as Assignor, has made a new and useful invention in

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which is found in International Patent Application No. PCT/IB2010/051211, filed on March 19, 2010 and for which Assignor will make application for Letters Patent of the United States; and

WHEREAS, Ecole Polytechnique Fédérale de Lausanne (EPFL), with address at EPFL-SRI, Station 10, CH-1015 Lausanne, Switzerland, hereinafter referred to as Assignee, desires to acquire 100% of the right, title, and interest in, to and under said invention disclosed, described and claimed or intended so to be in said application, and in, to and under said application, and in, to and under any and all Letters Patent, United States and foreign, which may be obtained thereof and thereon;

NOW, THEREFORE, to all and whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient considerations to Assignor in hand paid, the receipt of which is hereby acknowledged, Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto Assignee, 100% of the right, title, and interest in, to and under said invention disclosed, described and claimed or intended so to be in said application, and any and all other applications thereon and arising therefrom, including any and all divisions and continuations thereof, and any and all divisions and continuations thereof, and any and all patents to be issued and obtained therefor and thereon, United States and foreign, including all reissues and extensions thereof.

Assignor hereby authorizes and requests the firm of Krieg DeVault LLP, One Indiana Square, Suite 2800, Indianapolis, IN 46204-2079, to insert here in parentheses (Serial No. \_\_\_\_\_, Filed \_\_\_\_\_ 20 \_\_) the date and serial number of said application for Letters Patent of the United States when officially known, and Assignor hereby authorizes and requests the Honorable Commissioner of Patents to issue said Letters Patent to Assignee, its assigns and legal representatives.

Assignor agrees to sign and execute any and all other papers necessary and desirable for the procurement of Letters Patent on said invention in this and all foreign countries for the use of Assignee.

WITNESS Assignor's hands this 6th day of April, 2010.

Michael GRAETZEL

