

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Julian Burschka</td> <td>04/24/2013</td> </tr> <tr> <td>Florian Kessler</td> <td>04/25/2013</td> </tr> <tr> <td>Mohammad Khaja Nazeeruddin</td> <td>04/25/2013</td> </tr> <tr> <td>Michael Graetzel</td> <td>06/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	Julian Burschka	04/24/2013	Florian Kessler	04/25/2013	Mohammad Khaja Nazeeruddin	04/25/2013	Michael Graetzel	06/03/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Ecole Polytechnique Federale de Lausanne (EPFL)</td> </tr> <tr> <td>Street Address:</td> <td>Quartier de l'Innovation - J</td> </tr> <tr> <td>City:</td> <td>Lausanne</td> </tr> <tr> <td>State/Country:</td> <td>SWITZERLAND</td> </tr> <tr> <td>Postal Code:</td> <td>1015</td> </tr> </table>		Name:	Ecole Polytechnique Federale de Lausanne (EPFL)	Street Address:	Quartier de l'Innovation - J	City:	Lausanne	State/Country:	SWITZERLAND	Postal Code:	1015
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14001307</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14001307						
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CORRESPONDENCE DATA											
<p>Fax Number: 3176361507 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 3176364341 Email: ipdocketing@kdlegal.com</p> <p>Correspondent Name: Clifford W. Browning Address Line 1: One Indiana Square Address Line 2: Suite 2800 Address Line 4: Indianapolis, INDIANA 46204</p>											
ATTORNEY DOCKET NUMBER:	ECPO-52										
NAME OF SUBMITTER:	Sara E. Vessely										
Signature:	/Sara E. Vessely/										

PATENT

Date:

08/27/2013

Total Attachments: 5

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ASSIGNMENT (PATENT)

WHEREAS, Julian BURSCHKA, Route Cantonale 37, 1025 St-Sulpice, Switzerland hereinafter referred to as Assignor, has made a new and useful invention in

METAL COMPLEXES FOR USE AS DOPANTS AND OTHER USES

which is found in International Patent Application No. PCT/IB2012/050870, filed on February 24, 2012 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-TTO, Quartier de l'innovation, Bâtiment J, 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. 14/001,307, Filed August 23, 2013) 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 24th day of April, 2013.

Julian BURSCHKA



ASSIGNMENT (PATENT)

WHEREAS, Florian KESSLER, Avenue de France 9, 1004 Lausanne, Switzerland hereinafter referred to as Assignor, has made a new and useful invention in

METAL COMPLEXES FOR USE AS DOPANTS AND OTHER USES

which is found in International Patent Application No. PCT/IB2012/050870, filed on February 24, 2012 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-TTO, Quartier de l'innovation, Bâtiment J, 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;

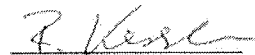
NOW, THEREFORE, to all and whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient considerations to Assignor in hand paid, the receipt of which is hereby acknowledged, Assignor has sold, assigned and transferred, and by 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. 14001,307 Filed August 23 2013) 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 25th day of April, 2013.

Florian KESSLER



ASSIGNMENT (PATENT)

WHEREAS, Etienne BARANOFF, 14, Station Road, Harborne, Birmingham, B17 9 LH, United Kingdom hereinafter referred to as Assignor, has made a new and useful invention in

METAL COMPLEXES FOR USE AS DOPANTS AND OTHER USES

which is found in International Patent Application No. PCT/IB2012/050870, filed on February 24, 2012 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-TTO, Quartier de l'innovation, Bâtiment J, 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. 14/001,304) Filed August 23, 2013) 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 day of _____, 2012.

Etienne BARANOFF

PATENT
REEL: 031088 FRAME: 0349

ASSIGNMENT (PATENT)

WHEREAS, Mohammad Khaja NAZEERUDDIN, Chemin de Montaney 10, 1024 Ecublens, Switzerland hereinafter referred to as Assignor, has made a new and useful invention in

METAL COMPLEXES FOR USE AS DOPANTS AND OTHER USES

which is found in International Patent Application No. PCT/IB2012/050870, filed on February 24, 2012 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-TTO, Quartier de l'innovation, Bâtiment J, 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. 14/001,309, Filed August 23, 2013) 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 25th day of April, 2013.


Mohammad Khaja NAZEERUDDIN

ASSIGNMENT (PATENT)

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

METAL COMPLEXES FOR USE AS DOPANTS AND OTHER USES

which is found in International Patent Application No. PCT/IB2012/050870, filed on February 24, 2012 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-TTO, Quartier de l'innovation, Bâtiment J, 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. 141001, 307, Filed August 23, 2013) 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 3rd day of June, 2013.

Michael GRAETZEL

