

PATENT ASSIGNMENT

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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>Adelio Miguel MAGALHAES MENDES</td> <td>08/02/2011</td> </tr> <tr> <td>Joaquim Gabriel MAGALHAES MENDES</td> <td>08/02/2011</td> </tr> <tr> <td>Helena Isabel PEREIRA DA COSTA AGUILAR RIBEIRO</td> <td>08/10/2011</td> </tr> <tr> <td>Michael GRATZEL</td> <td>08/11/2011</td> </tr> <tr> <td>Luisa Manuela MADUREIRA ANDRADE</td> <td>08/02/2011</td> </tr> <tr> <td>Luis Francisco MOREIRA GONCALVES</td> <td>08/02/2011</td> </tr> <tr> <td>Carlos Albino VEIGA DA COSTA</td> <td>08/11/2011</td> </tr> </tbody> </table>		Name	Execution Date	Adelio Miguel MAGALHAES MENDES	08/02/2011	Joaquim Gabriel MAGALHAES MENDES	08/02/2011	Helena Isabel PEREIRA DA COSTA AGUILAR RIBEIRO	08/10/2011	Michael GRATZEL	08/11/2011	Luisa Manuela MADUREIRA ANDRADE	08/02/2011	Luis Francisco MOREIRA GONCALVES	08/02/2011	Carlos Albino VEIGA DA COSTA	08/11/2011
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CORRESPONDENCE DATA																	
Fax Number: (703)652-5101 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 703-778-6607 Email: mkishimoto@kviplaw.com Correspondent Name: KENEALY VAIDYA LLP Address Line 1: 515 EAST BRADDOCK RD SUITE B Address Line 4: Alexandria, VIRGINIA 22314																	
ATTORNEY DOCKET NUMBER:	3031-0085																

OP \$40.00 13133127

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PATENT
REEL: 026788 FRAME: 0107

NAME OF SUBMITTER:

David J. Kenealy

Total Attachments: 4

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ASSIGNMENT

WHEREAS WE, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

GLASS SEALING OF DYE-SENSITIZED SOLAR CELLS

for which WE filed PCT Application No. PCT/IB2009/055511 on December 4, 2009 and for which WE executed an application for United States Letters Patent concurrently herewith; and

WHEREAS Efacec Engenharia e Sistemas S.A., a corporation of Portugal, whose post office address is Rua Engenheiro Frederico Ulrich, Guardedras, Apartado 3078, P-4470-605 Maia, Portugal (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application of United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, WE, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent of this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that WE have the full right to convey the interest assigned by this Assignment, and WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that WE will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

AND, WE HEREBY authorize and request the attorneys WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 13/133,127, filed June 6, 2011) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

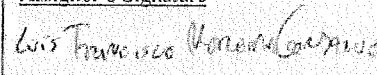
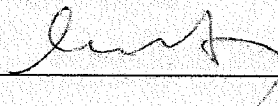
Full Name of First Assignor Adélio Miguel MAGALHÃES MENDES	Assignor's Signature <i>Adélio Miguel Magalhães Mendes</i>	Date 2011/08/02
Address: Rua Roberto Frias, P-4200-465 Porto, Portugal		Citizenship Portugal
Names of additional inventors attached ☒ Yes ☐ No		

KENEALY VAIDYA LLP

KENEALY VAIDYA LLP

<u>Full Name of Second Assignor</u> Joaquim Gabriel MAGALHÃES MENDES	<u>Assignor's Signature</u>	<u>Date</u>
<u>Address:</u> Rua Roberto Frias, P-4200-465 Porto, Portugal		<u>Citizenship:</u> Portugal
<u>Full Name of Third Assignor</u> Helena Isabel PEREIRA DA COSTA AGUILAR RIBEIRO	<u>Assignor's Signature</u>	<u>Date</u>
<u>Address:</u> Rua Roberto Frias, P-4200-465 Porto, Portugal		<u>Citizenship:</u> Portugal
<u>Full Name of Fourth Assignor</u> Michael GRATZEL	<u>Assignor's Signature</u> <i>Michael Gratzel</i>	<u>Date</u> 11/08/2011
<u>Address:</u> CH-1015 Lausanne, Switzerland		<u>Citizenship:</u> Switzerland
Names of additional inventors attached ☒ Yes ☐ No		

KENEALY VAIDYA LLP

<u>Full Name of Fifth Assignor</u> Luísa Manuela MADUREIRA ANDRADE	<u>Assignor's Signature</u> 	<u>Date</u> 02/03/2011
<u>Address:</u> Rua Roberto Frias, P-4200-465 Porto, Portugal		<u>Citizenship:</u> Portugal
<u>Full Name of Sixth Assignor</u> Luís Francisco MOREIRA GONÇALVES	<u>Assignor's Signature</u> 	<u>Date</u> 02/03/2011
<u>Address:</u> Rua Roberto Frias, P-4200-465 Porto, Portugal		<u>Citizenship:</u> Portugal
<u>Full Name of Seventh Assignor</u> Carlos Albino VEIGA DA COSTA	<u>Assignor's Signature</u> 	<u>Date</u> 11/08/2011
<u>Address:</u> Rua Roberto Frias, P-4200-465 Porto, Portugal		<u>Citizenship:</u> Portugal
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KENEALY VAIDYA LLP

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