

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Marc Vermeersch</td> <td>06/07/2011</td> </tr> <tr> <td>Bruno Estibals</td> <td>06/08/2011</td> </tr> <tr> <td>Corinne Alonso</td> <td>06/08/2011</td> </tr> </tbody> </table>		Name	Execution Date	Marc Vermeersch	06/07/2011	Bruno Estibals	06/08/2011	Corinne Alonso	06/08/2011				
Name	Execution Date												
Marc Vermeersch	06/07/2011												
Bruno Estibals	06/08/2011												
Corinne Alonso	06/08/2011												
RECEIVING PARTY DATA													
<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 Cedex 16</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>75794</td> </tr> </table>		Name:	Centre National De La Recherche Scientifique (CNRS)	Street Address:	3 rue Michel Ange	City:	Paris Cedex 16	State/Country:	FRANCE	Postal Code:	75794		
Name:	Centre National De La Recherche Scientifique (CNRS)												
Street Address:	3 rue Michel Ange												
City:	Paris Cedex 16												
State/Country:	FRANCE												
Postal Code:	75794												
<table border="1"> <tr> <td>Name:</td> <td>Total S.A.</td> </tr> <tr> <td>Street Address:</td> <td>2, Place Jean Millier</td> </tr> <tr> <td>Internal Address:</td> <td>La Defense 6</td> </tr> <tr> <td>City:</td> <td>Courbevoie</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>92400</td> </tr> </table>		Name:	Total S.A.	Street Address:	2, Place Jean Millier	Internal Address:	La Defense 6	City:	Courbevoie	State/Country:	FRANCE	Postal Code:	92400
Name:	Total S.A.												
Street Address:	2, Place Jean Millier												
Internal Address:	La Defense 6												
City:	Courbevoie												
State/Country:	FRANCE												
Postal Code:	92400												
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>13140628</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13140628								
Property Type	Number												
Application Number:	13140628												
CORRESPONDENCE DATA													
Fax Number:	(816)753-1536												
Phone:	816-753-1000												
Email:	uspt@polsinelli.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	Gregory O'Connor/Polsinelli Shughart PC												

CH \$40.00 13140628

Address Line 1: 700 W. 47th Street
Address Line 2: Suite 1000
Address Line 4: Kansas City, MISSOURI 64112

ATTORNEY DOCKET NUMBER: 068911-433030

NAME OF SUBMITTER: Donna Carrera

Total Attachments: 3
source=Assignment#page1.tif
source=Assignment#page2.tif
source=Assignment#page3.tif

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number 13/140,628
Filing Date 17 June 2011
Inventorship Marc VERMEERSCH
Applicant CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)
TOTAL S.A.
Attorney's Docket No.28133/US/PCT/800-066-USP
Title: ELECTRONIC MANAGEMENT SYSTEM FOR PHOTOVOLTAIC CELLS

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Marc Vermeersch
2Bis rue de Seine
78110 Le Vésinet
France

Bruno Estibals
Route de Saint Thomas
31470 Saint Thomas
France

Corinne Alonso
29, rue Jean Mermoz
31520 Ramonville Saint Agne
France

Assignee(s):

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)
3 rue Michel Ange
75794 Paris Cedex 16
FRANCE

TOTAL S.A.
2, Place Jean Millier
La Défense 6
92400 Courbevoie
FRANCE

WHEREAS, Assignor(s) (listed above) are inventor(s) of certain new and useful inventions and improvements claimed and described in an application for Letters Patent of the

United States entitled "ELECTRONIC MANAGEMENT SYSTEM FOR PHOTOVOLTAIC CELLS" and referenced above;

AND WHEREAS, Assignee(s), corporation(s) organized and existing under and by virtue of the laws of the Country of France, and having an office and place of business indicated above, is desirous of acquiring the entire right, title and interest in and to said inventions and improvements and in and to the applications, and in and to any letters patent to be obtained therefrom;

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor(s) have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto said Assignee(s), its successors or assigns, the entire right, title, and interest in and to said inventions and improvements, said applications, and any and all letters patent which may be granted for said inventions and improvements in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of Assignee(s) and to claim priority rights deriving from said United States applications to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said inventions and improvements, applications and all letters patent on said inventions and improvements to be held and enjoyed by Assignee(s) and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by Assignor(s) had this assignment, transfer and sale not been made. Assignor(s) hereby authorize and request the Commissioner of Patents to issue all letters patent on said inventions to Assignee(s);

AND, for the consideration aforesaid, Assignor(s) do hereby agree that each Assignor and his/her executors and legal representatives will make, execute, and deliver any and all other instruments and documents in writing including any and all further applications papers, affidavits, assignments and other documents, and will communicate to said Assignee(s), its successors and representatives all facts known to me relating to said inventions and improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to more effectually secure and vest in said Assignee(s), its successors or assignees the entire right, title and interest in and to the

improvements, inventions, applications, letters patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be;

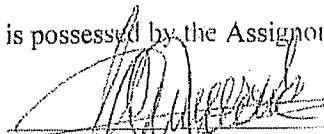
AND, Assignor hereby authorizes Assignee(s), its successors and assigns, or anyone it may properly designate, to insert in this instrument the application number and filing date of the above-referenced application for Letters Patent once known;

AND, furthermore, Assignor(s) covenant and agree with said Assignee(s), its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the Assignor(s) and that full right to convey the same as herein expressed is possessed by the Assignor(s).

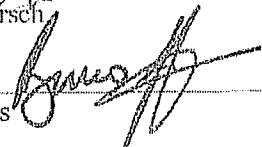
07/06/11
Date

08/06/2011
Date

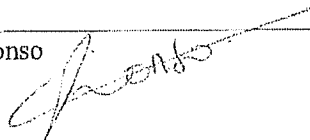
08/06/2011
Date



Marc Velmeersch



Bruno Estivals



Corinne Alonso