

## 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>Menno Nicolaas Van Den Donker</td> <td>04/11/2013</td> </tr> <tr> <td>Peter Andreas Maria Wijnen</td> <td>04/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	Menno Nicolaas Van Den Donker	04/11/2013	Peter Andreas Maria Wijnen	04/11/2013
Name	Execution Date						
Menno Nicolaas Van Den Donker	04/11/2013						
Peter Andreas Maria Wijnen	04/11/2013						
RECEIVING PARTY DATA							
Name:	Stichting Energieonderzoek Centrum Nederland						
Street Address:	Westerduinweg 3						
City:	Petten						
State/Country:	NETHERLANDS						
Postal Code:	NL-1755 LE						
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>13818345</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13818345		
Property Type	Number						
Application Number:	13818345						
CORRESPONDENCE DATA							
Fax Number:	4129455933						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	412-471-8815						
Email:	assignments@webblaw.com						
Correspondent Name:	THE WEBB LAW FIRM, P.C.						
Address Line 1:	ONE GATEWAY CENTER						
Address Line 2:	420 FT. DUQUESNE BLVD, SUITE 1200						
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ATTORNEY DOCKET NUMBER:	3135-130403						
NAME OF SUBMITTER:	John W. McIlvaine						
Signature:	/john w mcilvaine/						
Date:	04/23/2013						

OP \$40.00 13818345

Total Attachments: 4

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### RECORDATION FORM COVER SHEET PATENTS ONLY

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)**

Menno Nicolaas VAN DEN DONKER  
Peter Andreas Maria WIJNEN

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

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

Execution Date(s) 04/11/2013

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

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

Name: Stichting Energieonderzoek Centrum Nederland

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

Street Address: Westerduinweg 3

City: Petten

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

Country: THE NETHERLANDS Zip: NL-1755 LE

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

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

This document is being filed together with a new application.

A. Patent Application No.(s)

13/818,345

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: John W. McIlvaine

Internal Address: The Webb Law Firm

Street Address: One Gateway Center  
420 Ft. Duquesne Blvd., Ste 1200

City: Pittsburgh

State: PA Zip: 15222

Phone Number: 412-471-8815

Fax Number: 412-945-5933

Email Address: assignments@webblaw.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 by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers 4775  
Expiration Date 05/2015

b. Deposit Account Number 23-0650

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

**9. Signature:**

  
Signature

April 23, 2013

Date

John W. McIlvaine, Reg. No. 34,219

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

**ASSIGNMENT**

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

**BACK CONTACTED PHOTOVOLTAIC CELL WITH AN IMPROVED SHUNT  
RESISTANCE**

(Invention Title)

for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

for which an application for a United States Patent was filed on 08/23/2011 (mm/dd/yyyy) and bears Application Number 13/818,345 (hereinafter "said application").

AND/OR

for which an international patent application was filed under the Patent Cooperation Treaty on 08/23/2011 (mm/dd/yyyy), bearing Application No. PCT/NL2011/050573 (hereinafter "said application").

AND, WHEREAS, **Stichting Energieonderzoek Centrum Nederland**, a corporation of **THE NETHERLANDS**, having a place of business at **Westerduinweg 3, NL-1755 LE Petten, THE NETHERLANDS**, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request any attorney associated with The Webb Law Firm, Customer No. 28289, to insert here in parentheses (Application No. 13/818,345, filed 08/23/2011) the filing date and application number of said application when known.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me

respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR: Menno Nicolaas VAN DEN DONKER RESIDENCE: Weert, THE NETHERLANDS

EXECUTED this \_\_\_\_ day of \_\_\_\_\_, 2013

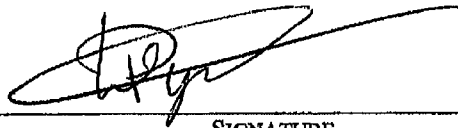
\_\_\_\_\_  
SIGNATURE


WITNESS:  
\_\_\_\_\_



2. FULL NAME OF ASSIGNOR: Peter Andreas Maria WIJNEN RESIDENCE: Berg <sup>aan</sup> de Maas, THE NETHERLANDS

EXECUTED this 13 day of April, 2013

  
\_\_\_\_\_  
SIGNATURE

WITNESS:  
  
\_\_\_\_\_

Checked Box indicates \_\_\_\_ additional page(s) for inventor signatures.

respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

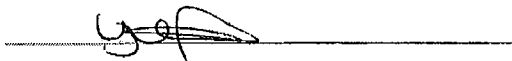
1. FULL NAME OF ASSIGNOR: Menno Nicolaas VAN DEN DONKER RESIDENCE: Weert, THE NETHERLANDS

EXECUTED this 11 day of April, 2013



SIGNATURE

WITNESS:



2. FULL NAME OF ASSIGNOR: Peter Andreas Maria WIJNEN RESIDENCE: Berg ann de Maas, THE NETHERLANDS

EXECUTED this \_\_\_\_\_ day of \_\_\_\_\_, 2013

SIGNATURE

WITNESS:

\_\_\_\_\_

Checked Box indicates \_\_\_ additional page(s) for inventor signatures.