

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>Howard M. Branz</td><td>03/21/2008</td></tr><tr><td>Anna Duda</td><td>03/21/2008</td></tr><tr><td>David S. Ginley</td><td>03/21/2008</td></tr><tr><td>Vernon Yost</td><td>03/21/2008</td></tr><tr><td>Daniel Meier</td><td>03/24/2008</td></tr><tr><td>James S. Ward</td><td>03/21/2008</td></tr></tbody></table>		Name	Execution Date	Howard M. Branz	03/21/2008	Anna Duda	03/21/2008	David S. Ginley	03/21/2008	Vernon Yost	03/21/2008	Daniel Meier	03/24/2008	James S. Ward	03/21/2008
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RECEIVING PARTY DATA															
<table border="1"><tr><td>Name:</td><td>MIDWEST RESEARCH INSTITUTE</td></tr><tr><td>Street Address:</td><td>425 Volker Boulevard</td></tr><tr><td>City:</td><td>Kansas City</td></tr><tr><td>State/Country:</td><td>MISSOURI</td></tr><tr><td>Postal Code:</td><td>64110</td></tr></table>		Name:	MIDWEST RESEARCH INSTITUTE	Street Address:	425 Volker Boulevard	City:	Kansas City	State/Country:	MISSOURI	Postal Code:	64110				
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PROPERTY NUMBERS Total: 1															
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CORRESPONDENCE DATA															
Fax Number: (303)384-7499 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone: 303-384-7576															
Email: Paul.White@nrel.gov															
Correspondent Name: Paul J. White, NREL Patent Counsel															
Address Line 1: 1617 Cole Boulevard, MS 1734															
Address Line 2: National Renewable Energy Laboratory															
Address Line 4: Golden, COLORADO 80401															
ATTORNEY DOCKET NUMBER:	NREL 07-10														

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PATENT
REEL: 020730 FRAME: 0113

NAME OF SUBMITTER:

Paul J. White

Total Attachments: 3

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ASSIGNMENT

WHEREAS, We, Howard Branz, 897 Laurel Avenue, Boulder, County of Boulder, State of Colorado; Anna Duda, 4975 S. Independence Way, Denver, County of Denver, State of Colorado; David S. Ginley, 33630 Inverness Drive, Evergreen, County of Clear Creek, State of Colorado; Vernon Yost, 1871 S. Teller Street, Lakewood, County of Jefferson, State of Colorado; Daniel Meier, 2805 Northeast Expressway NE, County of Dekalb, State of Georgia; and James S. Ward, 1960 Denver West Drive, Golden, County of Jefferson, State of Colorado, having invented certain new and useful improvements in **Nanoparticle-Based Etching of Silicon Surfaces**, which we are about to make application for Letters Patent of the United States, said application being identified as NREL IR No. 07-10 and; executed concurrently herewith; and; WHEREAS, we now own the entire right, title and interest therein; and

WHEREAS, Midwest Research Institute, of 425 Volker Blvd., Kansas City, Missouri 64110, a corporation fully organized and existing under the laws of the State of Missouri is desirous of acquiring the entire right, title, and interest therein and thereto;

NOW THEREFORE, be it known that for good and other consideration to us in hand paid, the receipt of which is hereby acknowledged, we, the said Howard Branz, Anna Duda, David S. Ginley, Vernon Yost, Daniel Meier, and James S. Ward, by these presents do sell, assign, and transfer unto the said Midwest Research Institute, its successors, legal representatives and assigns, our entire right, title, and interest in and to said invention and the aforesaid application, for the United States of America and for all foreign countries and to all Letters Patents, continuations and reissues, and extensions to be obtained therefore; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this assignment to Midwest Research Institute, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal on the date set forth hereinafter.

[Signature]

Witness

[Signature]

Witness

[Signature]

Witness

[Signature]

Witness

[Signature]

Witness

[Signature]

Howard Branz

[Signature]

Anna Duda

[Signature]

David S. Ginley

[Signature]

Vernon Yost

[Signature]

James S. Ward

COUNTY OF JEFFERSON)
STATE OF COLORADO)

Before me, a Notary Public in and for the said County and State, personally appeared Howard Branz, Anna Duda, David S. Ginley, Vernon Yost and James S. Ward, who are known to me to be the persons whose names are subscribed to the foregoing, and acknowledged to me that they executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office, this 21th day of March, 2008.

My commission expires: December 12, 2010.

[Seal]

[Signature]
Janice F. Brown, Notary Public

Approved and consented to this 26th day of March 2008.

ATTEST:

[Signature]

MIDWEST RESEARCH INSTITUTE

By [Signature]

Paul J. White, Reg. No. 30,436
Senior Patent Counsel

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal on the date set forth hereinafter.

Claudia I. Ford
Witness Claudia I. Ford

Daniel Meier
Daniel Meier

COUNTY OF FULTON)
STATE OF GEORGIA)

Before me, a Notary Public in and for the said County and State, personally appeared Daniel Meier, who is known to me to be the person whose name is subscribed to the foregoing, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office, this 24th day of March, 2008.

My commission expires 9-16-09

[Seal]

Claudia I. Ford
Claudia I. Ford, Notary Public

Approved and consented to this 24th day of March, 2008.

ATTEST.

Amie J. Brown

MIDWEST RESEARCH INSTITUTE

By

Paul J. White

Paul J. White, Reg. No. 30,436
Senior Patent Counsel