

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<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>Nicholas W. Vollendorf</td> <td>05/23/2007</td> </tr> <tr> <td>Randy D. Cortright</td> <td>07/27/2007</td> </tr> <tr> <td>Charles C. Hornemann</td> <td>08/07/2007</td> </tr> <tr> <td>Shawn P. McMahon</td> <td>07/27/2007</td> </tr> </tbody> </table>		Name	Execution Date	Nicholas W. Vollendorf	05/23/2007	Randy D. Cortright	07/27/2007	Charles C. Hornemann	08/07/2007	Shawn P. McMahon	07/27/2007
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<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Virent Energy Systems, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>3571 Anderson Street</td> </tr> <tr> <td>City:</td> <td>Madison</td> </tr> <tr> <td>State/Country:</td> <td>WISCONSIN</td> </tr> <tr> <td>Postal Code:</td> <td>53704</td> </tr> </table>		Name:	Virent Energy Systems, Inc.	Street Address:	3571 Anderson Street	City:	Madison	State/Country:	WISCONSIN	Postal Code:	53704
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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (608)251-9166</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 608.251.5000</p> <p>Email: bennett.berson@quarles.com</p> <p>Correspondent Name: Bennett J. Berson</p> <p>Address Line 1: 33 East Main Street</p> <p>Address Line 2: Suite 900</p> <p>Address Line 4: Madison, WISCONSIN 53701-2113</p>											
ATTORNEY DOCKET NUMBER:	129550.00010										
NAME OF SUBMITTER:	Bennett J. Berson										
Total Attachments: 4											

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**PATENT**  
**REEL: 024372 FRAME: 0522**

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# ASSIGNMENT

I am one of the persons identified as an inventor and who has contributed to a certain new and useful invention (the "Invention"), as set forth in an international patent application filed in accordance with the Patent Cooperation Treaty (PCT), bearing substantially the following title and bearing the following serial number. The application was filed on the indicated date:

Title: Catalysts and Methods for Reforming Oxygenated Compounds

Serial Number: PCT/US2006/048030

Date Filed: December 18, 2006

The assignee under this agreement is hereby authorized to insert the filing date and serial number referred to above, when ascertained.

For good and valuable consideration, I do hereby sell, assign, and transfer to the Virent Energy Systems, Inc. (hereinafter "Virent") a Delaware corporation, and to its legal representatives, successors, and assigns, my entire right, title and interest in and to the Invention and to all United States and foreign patent applications any of whose claims cover all or part of the Invention, together with all patents resulting from such applications. Virent shall hold such right, title, and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I agree, upon Virent's request, to execute or assent to such United States and foreign patent applications and to execute all separate assignments and other legal documents that Virent may find necessary or desirable in its exercise of the right, title, and interest assigned above. I also agree to communicate to Virent any facts relating to the Invention or to any of the patent applications or patents contemplated above that may be useful to Virent and to testify as to such facts in any interferences or in litigation, if requested to do so. I shall do all these things without additional compensation but at no expense to me.

I hereby request the Commissioner of Patents to issue to Virent, as the owner of my entire right, title, and interest therein, any Letters Patent of the United States that may be issued for the Invention.

Inventor:



Nicholas W. Vollendorf  
4185 South Vicotia Circle  
New Berlin, WI 53151

Date:

5/27/07

State of Wisconsin     )  
                                  )ss.  
County of Dane         )

On this 23rd day of May, 2007 before me personally appeared Nicholas W. Vollendorf, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

  
Notary Public

My Commission expires:

Permanent

## ASSIGNMENT

WHEREAS, WE, Randy D. Cortright of Madison, Wisconsin, Charles C. Hornemann of Madison, Wisconsin, Shawn P. McMahon of Madison, Wisconsin, along with Nicholas W. Vollendorf of New Berlin, Wisconsin have made certain inventions which are described in an application for Letters Patent of the United States entitled CATALYSTS AND METHODS FOR REFORMING OXYGENATED COMPOUNDS filed on December 21, 2005 as U.S. Application 60/498,832 (now expired); PCT/US2006/048030 on December 18, 2006, preparatory to obtaining United States Letters Patent therefor, and

WHEREAS, Virent Energy Systems, Inc. (hereinafter referred to as said Company), a Delaware corporation having a place of business at Madison, Wisconsin is desirous of acquiring the entire interest in said inventions throughout the United States of America and the territories thereof, for all other countries and under all international agreements,

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, receipt whereof is hereby acknowledged, we hereby sell, assign and transfer unto said Company, its successors and assigns, the entire right, title and interest throughout the United States of America and the territories thereof, for all foreign countries and under all international agreements in and to said inventions, the aforesaid application, all other applications hereafter filed in the United States, in any other country, or under any international agreement based in whole or in part on said inventions, and all Letters Patents granted upon said applications by the United States, by any other country or under any international agreement, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Company. We further grant to said Company, its successors and assigns, the right to claim for any of said applications the full benefits and priority rights of any international agreement between the United States and any foreign country or countries or between any other countries.

We hereby warrant that we have the full right to make the conveyance herein, and we hereby covenant that we, our heirs, legal representatives and assigns, will when requested, communicate to said Company, its representatives, successors and assigns, all facts known respecting said inventions, execute all divisional, continuing, reissue, reexamination and foreign or international applications, together with individual assignments therefor, make all rightful oaths, sign all lawful papers, testify in any legal proceeding and generally do everything possible to aid said Company, its successors and assigns, in the obtaining of Letters Patent.

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals at the location and on the date indicated with our signatures.

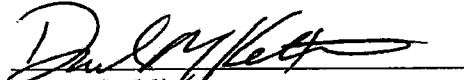
Date: 7-27, 2007

  
Randy D. Cortright

STATE OF WISCONSIN   )  
                                  ) SS  
COUNTY OF DANE       )

Before me on this 27<sup>th</sup> day of July, 2007, came Randy D. Cortright, to me known to be the person named in the foregoing assignment and he acknowledges his execution thereof to be his free act and deed.

(SEAL)

  
Notary Public,  
State of Wisconsin  
My Commission: Permanent


Date: 8/7, 2007

  
Charles C. Hornemann

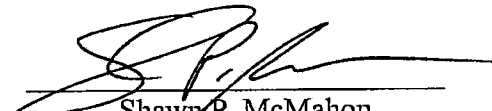
STATE OF WISCONSIN   )  
                                  ) SS  
COUNTY OF DANE       )

Before me on this 7<sup>th</sup> day of August, 2007, came Charles C. Hornemann, to me known to be the person named in the foregoing assignment and he acknowledges his execution thereof to be his free act and deed.

(SEAL)

  
Notary Public,  
State of Wisconsin  
My Commission: Permanent

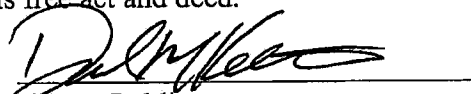
Date: 27<sup>th</sup> . 2007

  
Shawn P. McMahon

STATE OF WISCONSIN   )  
                                  ) SS  
COUNTY OF DANE       )

Before me on this 27<sup>th</sup> day of July, 2007, came Shawn P. McMahon, to me known to be the person named in the foregoing assignment and he acknowledges his execution thereof to be his free act and deed.

(SEAL)

  
Notary Public,  
State of Wisconsin  
My Commission: Permanent