

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>Carl E. Wagner</td> <td>06/28/2013</td> </tr> <tr> <td>Peter W. Jurutka</td> <td>06/28/2013</td> </tr> <tr> <td>Pamela A. Marshall</td> <td>06/28/2013</td> </tr> <tr> <td>Arjan van der Vaart</td> <td>07/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	Carl E. Wagner	06/28/2013	Peter W. Jurutka	06/28/2013	Pamela A. Marshall	06/28/2013	Arjan van der Vaart	07/22/2013		
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<table border="1"> <tr> <td>Name:</td> <td>Arizona Board of Regents, a Body Corporate of the State of Arizona Acting for and on Behalf of Arizona State University</td> </tr> <tr> <td>Street Address:</td> <td>1475 North Scottsdale Road</td> </tr> <tr> <td>Internal Address:</td> <td>Skysong-Suite 200</td> </tr> <tr> <td>City:</td> <td>Scottsdale</td> </tr> <tr> <td>State/Country:</td> <td>ARIZONA</td> </tr> <tr> <td>Postal Code:</td> <td>85257-3538</td> </tr> </table>		Name:	Arizona Board of Regents, a Body Corporate of the State of Arizona Acting for and on Behalf of Arizona State University	Street Address:	1475 North Scottsdale Road	Internal Address:	Skysong-Suite 200	City:	Scottsdale	State/Country:	ARIZONA	Postal Code:	85257-3538
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: 9528764098 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 952-876-4084 Email: dgherity@vhpglobalip.com Correspondent Name: Viksnins Harris & Padys PLLP Address Line 1: 7900 International Drive, Suite 670 Address Line 4: Bloomington, MINNESOTA 55425</p>													
ATTORNEY DOCKET NUMBER:	17555.009US1												
NAME OF SUBMITTER:	Ann S. Viksnins												

Signature:	/Ann S. Viksnins/
Date:	07/30/2013
Total Attachments: 8 source=17555.009US1-Assignment to be Filed#page1.tif source=17555.009US1-Assignment to be Filed#page2.tif source=17555.009US1-Assignment to be Filed#page3.tif source=17555.009US1-Assignment to be Filed#page4.tif source=17555.009US1-Assignment to be Filed#page5.tif source=17555.009US1-Assignment to be Filed#page6.tif source=17555.009US1-Assignment to be Filed#page7.tif source=17555.009US1-Assignment to be Filed#page8.tif	

ASSIGNMENT

WHEREAS, We, Carl E. Wagner, Peter W. Jurutka, Pamela A. Marshall, Arjan van der Vaart, made certain new and useful inventions and improvements for which we filed a patent application in the United States on August 16, 2012, which application was assigned U.S. Patent Application Serial Number 13/579,551.

AND WHEREAS, Arizona Board of Regents, a Body Corporate of the State of Arizona Acting for and on Behalf of Arizona State University, a university organized and existing under and by virtue of the laws of the state of Arizona having an office and place of business at 1475 North Scottsdale Road Skysong-Suite 200 Scottsdale, Arizona 85257-3538 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to any Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, we hereby sell, assign, transfer and set over unto said Assignee, including its successors and assigns, our entire right, title and interest to all inventions disclosed in the aforesaid application(s), including all rights to claim priority therefrom, and to any and all present or future patent applications to such inventions filed in the United States or any other country or region, inclusive of, but not limited to, all divisions, continuations, continuations-in-part, renewals thereof, substitutions, reexaminations, reissues, provisional patent applications, applications filed under the Patent Cooperation Treaty, certificates of addition, utility models, and petty patents, as well as all other intellectual property related to the applications, inclusive of, but not limited to, supplementary protection certificates, and to any and all Letters Patents and any related patent term extensions that may be granted for said Letters Patents with respect to the applications; all of the above to be held by Assignee as fully and entirely as the same would have been held by us had this Assignment not been made.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, 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 us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of

June, 2012 2013 sup

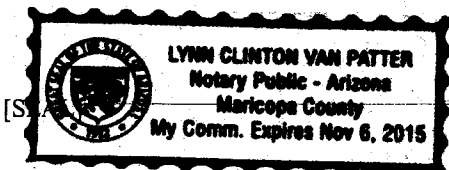
Carl E. Wagner
Carl E. Wagner

STATE OF Arizona)

)ss

COUNTY OF Maricopa)

On this 28 day of June, 2012 2013 sup before me personally appeared Carl E. Wagner to me known and known to me to be the person described in and who executed the foregoing instrument, and she/he duly acknowledged to me that she/he executed the same for the uses and purposes therein set forth.

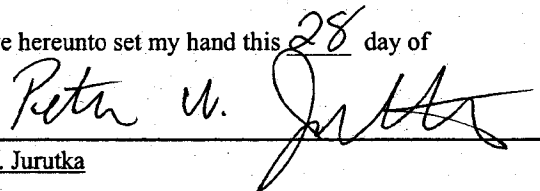


Lynn Clinton Van Patter
Notary Public

PATENT

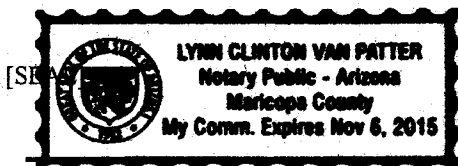
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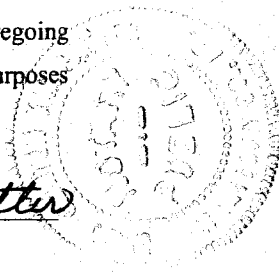
IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of
June, ~~2012~~ 2013 ^{sup}

Peter W. Jurutka


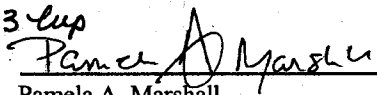
STATE OF Arizona)
)ss
COUNTY OF Maricopa)

On this 28 day of June, ~~2012~~ 2013 ^{sup} before me personally appeared Peter W. Jurutka to me known and known to me to be the person described in and who executed the foregoing instrument, and she/he duly acknowledged to me that she/he executed the same for the uses and purposes therein set forth.



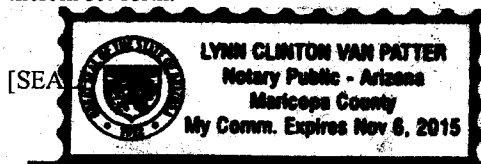
Lynn Clinton Van Patter
Notary Public



IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of
June, ~~2012~~ 2013 ^{sup}

Pamela A. Marshall


STATE OF Arizona)
)ss
COUNTY OF Maricopa)

On this 28 day of June, ~~2012~~ 2013 ^{sup} before me personally appeared Pamela A. Marshall to me known and known to me to be the person described in and who executed the foregoing instrument, and she/he duly acknowledged to me that she/he executed the same for the uses and purposes therein set forth.



Lynn Clinton Van Patter
Notary Public


PATENT

REEL: 030900 FRAME: 0622

_, 2012.

Arjan van der Vaart

)ss

Vaart to me known and known to me to be the person described in and who executed the foregoing instrument, and she/he duly acknowledged to me that she/he executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

ASSIGNMENT

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PATENT
REEL: 030900 FRAME: 0625

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of

_____, 2012.

Peter W. Jurutka

STATE OF _____)

)SS

COUNTY OF _____)

On this _____ day of _____, 2012 before me personally appeared Peter W. Jurutka to me known and known to me to be the person described in and who executed the foregoing instrument, and she/he duly acknowledged to me that she/he executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____

_____, 2012.

Pamela A. Marshall

STATE OF _____)

)SS

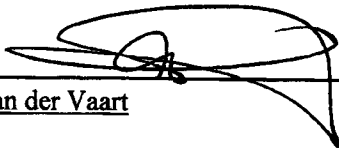
COUNTY OF _____)

On this _____ day of _____, 2012 before me personally appeared Pamela A. Marshall to me known and known to me to be the person described in and who executed the foregoing instrument, and she/he duly acknowledged to me that she/he executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of
July, 2012¹³



Arjan van der Vaart

STATE OF Florida)
)ss
COUNTY OF Hillsborough)

On this 22 day of July, 2012¹³ before me personally appeared Arjan van der Vaart to me known and known to me to be the person described in and who executed the foregoing instrument, and she/he duly acknowledged to me that she/he executed the same for the uses and purposes therein set forth.

[SEAL]





Notary Public