502499637 09/18/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Thomas Taylor	03/08/2013
Mark Hayes	03/21/2013
Paul Jones	03/26/2013

RECEIVING PARTY DATA

Name:	Arizona Board of Regents, A Body Corporate of the State of Arizona
Street Address:	1475 North Scottsdale Road
Internal Address:	SkySong - Suite 200
City:	Scottsdale
State/Country:	ARIZONA
Postal Code:	85257-3538

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13797181

CORRESPONDENCE DATA

Fax Number: 9528764098

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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

ATTORNEY DOCKET NUMBER:	17555.010US1
NAME OF SUBMITTER:	Ann S. Viksnins
Signature:	/Ann S. Viksnins/
	PATENT

REEL: 031229 FRAME: 0377

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Date:	09/18/2013
Total Attachments: 4 source=17555.010US1-Assignment to be filed#page1.tif source=17555.010US1-Assignment to be filed#page2.tif source=17555.010US1-Assignment to be filed#page3.tif source=17555.010US1-Assignment to be filed#page4.tif	

PATENT REEL: 031229 FRAME: 0378

ASSIGNMENT

WHEREAS, We, <u>Thomas Taylor</u>, <u>Mark Hayes</u>, and <u>Paul Jones</u>, made certain new and useful inventions and improvements for which we filed a patent application in the United States on <u>April 25</u>, <u>2012</u>, which application was assigned U.S. Patent Application Serial Number <u>61/638,316</u>.

AND WHEREAS, <u>Arizona Board of Regents</u>, A Body Corporate of the State of Arizona, <u>Acting For and on Behalf of Arizona State University</u>, a corporation organized and existing under and by virtue of the laws of the state of <u>Arizona</u> having an office and place of business at <u>1475 North Scottsdale Road</u>, <u>SkySong – Suite 200</u>, <u>Scottsdale</u>, <u>Arizona 85257-3538</u> (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,

PATENT REEL: 031229 FRAME: 0379 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 WHERE	OF, I have hereunto set my hand this $\frac{\cancel{810}}{\cancel{100}}$ day of
[Varch, 2013.	Thomas J. Taylor
	omas Taylor // /
STATE OF Arizona	
)ss	
COUNTY OF Mari wpa	
On this 8th day of March	, 2013 before me personally appeared Thomas Taylor
to me known and known to me to be the pe	rson described in and who executed the foregoing instrument,
	cuted the same for the uses and purposes therein set forth.
JESSICA MANDL Notary Public - Arizona Maricopa County My Comm. Expires May 22, 2015	Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 2 day of county of Maricopa On this 21st day of March, 2013 before me personally appeared Mark Hayes to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth. **ZIVA LACKOFF** Maricopa County [SEAL] My Commission Expires April 30, 2016 IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of , 2013. Paul Jones STATE OF COUNTY OF On this _____ day of , 2013 before me personally appeared Mark Hayes to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

Notary Public

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[SEAL]

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IN T	ESTIMONY WHEREO	F, I have hereunto set my hand this day of
	, 2013.	
	Mar	k Hayes
STATE OF)	
)ss	
COUNTY OF)	
On this	day of	, 2013 before me personally appeared Mark Hayes to
		on described in and who executed the foregoing instrument,
	•	uted the same for the uses and purposes therein set forth.
		and the same for the about the perposes therein and assume
CCC AT I		
[SEAL]		
		Notary Public
March	, 2013.	HEREOF, I have hereunto set my hand this 26 day of Jones
STATE OF Artz	•	
STATE OF Artz	ricopa)	
On this 26	oth day of March	, 2013 before me personally appeared Mark Hayes to
me known and know	n to me to be the perso	n described in and who executed the foregoing instrument,
and he duly acknowle	edged to me that he execu	uted the same for the uses and purposes therein set forth.
[SEAL]	ZIVA LACKOFF lotary Public, State of Arizona Maricopa County My Commission Expires April 30, 2016	Ziva Sachoff Notary Public

PATENT REEL: 031229 FRAME: 0382

RECORDED: 09/18/2013