11/22/2017 504655215

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4701936

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DOUGLAS J. COOK	11/22/2017
VASSILIOS MORELLAS	11/21/2017
NIKOLAOS PAPANIKOLOPOULOS	11/21/2017

RECEIVING PARTY DATA

Name:	REGENTS OF THE UNIVERSITY OF MINNESOTA	
Street Address:	SUITE 600 MCNAMARA ALUMNI CTR.	
Internal Address:	200 OAK STREET SE	
City:	MINNEAPOLIS	
State/Country:	MINNESOTA	
Postal Code:	55455	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14718914	

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: request@slwip.com

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER, P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	600.936US1
NAME OF SUBMITTER:	COLE M. EHLERS
SIGNATURE:	/Cole M. Ehlers/
DATE SIGNED:	11/22/2017

Total Attachments: 10

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> **PATENT** REEL: 044201 FRAME: 0483 504655215

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> PATENT REEL: 044201 FRAME: 0484

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 600.936US1 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Regents of the University of Minnesota Douglas J. Cook, Vassilios Morellas, Nikolaos Street Address: Suite 600 McNamara Alumni Ctr. Papanikolopoulos 200 Oak Street SE Additional name(s) of conveying party(ies) attached? City: Minneapolis State: MN Zip: 55455 []Yes [X]No Country: United States of America 3. Nature of conveyance: Additional name(s) & address(es) attached? []Yes [X]No [] Merger [X] Assignment [] Security Agreement [] Change of Name [] Other Execution Date: November 22, 2017, November 21, 2017, November 21, 2017 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Serial No. 14/718,914 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: David W. Black [Enclosed] [Authorized to be charged to deposit account 19-Address: 0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743 Minneapolis, Minnesota 55402--0938 DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. November 22, 2017 David W. Black/Reg. No. 42,331 Name of Person Signing Total number of pages including cover sheet: 10 Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services P.O. Box 1450 Alexandria, VA 22313-1450



University of Minnesota <u>ASSIGNMENT</u>

WHEREAS, I, Douglas J. Cook, have invented certain new and useful improvements in PARKING SPACE OCCUPANCY, for which applications for Letters Patents of the United States have been made, said applications being filed as follows: Utility application no. 14/718,914 on May 21, 2015 ("Application(s)");

Whereas, REGENTS OF THE UNIVERSITY OF MINNESOTA ("Assignee"), having offices at 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota 55455-2020, is desirous of documenting the acquisition of the entire right, title and interest in and to said invention, said Application(s) and in, to and under any and all 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 is hereby acknowledged, and to the extent that I have not done so already via a prior agreement with the Assignee, or if I have already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to the inventions set forth hereinabove and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor on the Application(s) including my rights under the Paris Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Application(s) and Letters Patent that may be granted, including all rights to claim priority therefrom, and specifically including the right to enforce such Letters Patent in the name of Assignee and to recover damages for past infringement of the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

I hereby authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of any the Application(s) and/or otherwise take advantage of the provisions of the Paris Convention.

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Upon said consideration I do hereby covenant and agree with said Assignee, its successors and assigns, that I will not execute in writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissues or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Assignee in accordance with this instrument.

IN WITNESS WHEREOF, I have hereu November, 2017.	nto set my hand on this 22 day of
Witnessed by:	Witnessed by:
Signature: Juguling / Go/c	Signature: () ()
Print Name: Jacqueline Cook	Print Name: 11 Sodeline Cook
Date: 11/22/17	Date: 11/22/17

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X Y	nave hereunto set my hand on thisday behalf of Assignee Regents of the University of
	REGENTS OF THE UNIVERSITY OF MINNESOTA
E	Paul B. Savereide
	Senior Associate General Counsel
	per Presidential Delegation DA_028016
STATE OF MINNESOTA)
)
COUNTY OF HENNEPIN)
On this 22 day of appeared Paul B. Savereide, to me k foregoing instrument and acknowledge	November 2017, before me personally mown to be the person described in and who executed the ed that s/he executed the same as his/her free act and deed.
IN WITNESS WHEREOF, I my office, the day and year above wri	have hereunto affixed my official signature with the seal of tten.
	Notary Public
	PESA M. GILATS Notary Public Minnesote Lay Commission Express Jen 31, 2021

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University of Minnesota ASSIGNMENT

WHEREAS I, Vassilios Morellas, a citizen of United States of America, residing at 5435 Archer Ln N, Plymouth, MN 55446; have invented certain new and useful improvements in PARKING SPACE OCCUPANCY, for which application for Letters Patent of the United States has been made, said application(s) being filed as follows: Utility application no. 14/718,914 on May 21, 2015 ("Application(s)");

Whereas, REGENTS OF THE UNIVERSITY OF MINNESOTA ("Assignee"), having offices at Suite 600 McNamara Alumni Ctr., 200 Oak Street SE, Minneapolis, MN 55455, is desirous of documenting the acquisition of the entire right, title and interest in and to said invention, said Application(s) and in, to and under any and all 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 is hereby acknowledged, and to the extent that I have not done so already via a prior agreement with the Assignee, or if I have already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to the inventions set forth hereinabove and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor on the Application(s) including my rights under the Paris Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Application(s) and Letters Patent that may be granted, including all rights to claim priority therefrom, and specifically including the right to enforce such Letters Patent in the name of Assignee and to recover damages for past infringement of the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

I hereby authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of any the Application(s) and/or otherwise take advantage of the provisions of the Paris Convention.

Upon said consideration I do hereby covenant and agree with said Assignee, its successors and assigns, that I will not execute in writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors

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and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissues or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal

RESA M. GILATS

Notary Public-Minnesota

May Commission Expires Jan 31, 2021

Notary Public

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of my office, the day and year above written.

INWITNESS WHEREOF, I have hereunto set my hand on this
Paul B. Savereide Senior Associate General Counsel per Presidential Delegation DA_028016
STATE OF MINNESOTA COUNTY OF HENNEPIN On this Jaret day of 2017, before me personally appeared Paul B. Savereide, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal o my office, the day and year above written. Notary Public
PESA M. GILATS Notary Public-Minnesote Notary Public-M

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University of Minnesota ASSIGNMENT

WHEREAS I, Nikolaos Papanikolopoulos, a citizen of United States of America, residing at 4125 Garfield Avenue So., Minneapolis, MN 55409; have invented certain new and useful improvements in PARKING SPACE OCCUPANCY, for which application for Letters Patent of the United States has been made, said application(s) being filed as follows: Utility application no. 14/718,914 on May 21, 2015 ("Application(s)");

Whereas, REGENTS OF THE UNIVERSITY OF MINNESOTA ("Assignee"), having offices at Suite 600 McNamara Alumni Ctr., 200 Oak Street SE, Minneapolis, MN 55455, is desirous of documenting the acquisition of the entire right, title and interest in and to said invention, said Application(s) and in, to and under any and all 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 is hereby acknowledged, and to the extent that I have not done so already via a prior agreement with the Assignee, or if I have already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to the inventions set forth hereinabove and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor on the Application(s) including my rights under the Paris Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Application(s) and Letters Patent that may be granted, including all rights to claim priority therefrom, and specifically including the right to enforce such Letters Patent in the name of Assignee and to recover damages for past infringement of the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

I hereby authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of any the Application(s) and/or otherwise take advantage of the provisions of the Paris Convention.

Upon said consideration I do hereby covenant and agree with said Assignee, its successors and assigns, that I will not execute in writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors

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and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissues or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

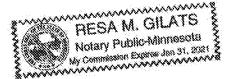
I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Assignee in accordance with this instrument.

IN WIT	NESS WHEREOF	3, I have hereum	to set my har	nd on this	da	y of
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			Nikolaos	Papan kolopo	ulos	•••••
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والأراف المحاد	$\frac{2^{4}}{2}$ day of _	Almaza	lair.	A01# 1 5		
On this _ anneared Nikol	_∕day of _ os Pananikolono	uloc to me know	on to be the r	2017, before r person describ	ne personally ed in and who	

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

executed the foregoing instrument and acknowledged that s/he executed the same as his/her

Notary Public



free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand on this
REGENTS OF THE UNIVERSITY OF MINNESOTA Paul B. Savereide
Senior Associate General Counsel
per Presidential Delegation DA_028016
STATE OF MINNESOTA COUNTY OF HENNEPIN On this day of Normber, 2017, before me personally appeared Paul B. Savereide, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed. IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

RESA M. GILATS
Notary Public-Minnesota
by Commission Express Jan 31, 2021

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