506852103 09/02/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6898924

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STERGIOS I. ROUMELIOTIS	06/12/2014
ESHA D. NERURKAR	06/18/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15470595

CORRESPONDENCE DATA

Fax Number: (949)852-0004

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.

Phone: 9498520000

Email: pair@kppb.com

Correspondent Name: KPPB LLP

Address Line 1: 2190 S. TOWNE CENTRE PLACE

Address Line 2: SUITE 300

Address Line 4: ANAHEIM, CALIFORNIA 92806

ATTORNEY DOCKET NUMBER:	R42-07442.CON
NAME OF SUBMITTER:	AGNES POON
SIGNATURE:	/Agnes Poon/
DATE SIGNED:	09/02/2021

Total Attachments: 7

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PATENT 506852103 REEL: 057375 FRAME: 0832



RECORDATION FORM COVER SHEET	
PATENT	S ONLY
To the Director of the U.S. Patent and Trademark Office: Pleas	e record the attached documents or the new address(es) below.
1. Name of conveying party(ies)	2. Name and address of receiving party(ies) Name: Regents of the University of Minnesota
Stergios I. Roumeliotis; Esha D. Nerurkar	Internal Address: 200 Oak Street SE, Suite 600
Additional name(s) of conveying party(ies) attached? Yes No	
3. Nature of conveyance/Execution Date(s):	Street Address: 360 McNamara Alumni Center
Execution Date(s) 06/12/2014; 06/18/2014 Assignment Merger	B. d. in a non a file
Security Agreement Change of Name	City: Minneapolis
Joint Research Agreement	State: MN
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: US Zip: 55455
Other	Additional name(s) & address(es) attached? Yes
15/470595 Additional numbers att	ached? Yes ™ No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: KPPB LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$
Internal Address: Suite 300	
	Authorized to be charged to deposit account
Street Address: 2190 S. Towne Centre Place	Enclosed None required (government interest not affecting title)
City: Anaheim	8. Payment Information
State: CA Zip: 92806	
Phone Number: 949.852.0000	Donosit Account Number
Docket Number: R42-07442.CON	Deposit Account Number
Email Address:_pair@kppb.com	Authorized UserName
9. Signature: /John W. Peck/	09/02/2021
Signature	Date
John W. Peck Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:
Documents to be recorded (including cover shee	t) should be faxed to (571) 273-0140, or mailed to: f the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT

REEL: 057375 FRAME: 0834

Attorney Docket No.: 1008-093US01/20130290

ASSIGNMENT

For valuable consideration, we, Stergios I. Roumeliotis of 2105 Folwell Ave, Saint Paul, MN 55108 and Esha D. Nerurkar of 128 Ada Ave #15, Mountain View, CA 94043 hereby assign to: Regents of the University of Minnesota, having a place of business at: Suite 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, MN 55455 and its successors and assigns (collectively hereinafter called "the Assignee") the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by us, entitled CONSTRAINED KEY FRAME LOCALIZATION AND MAPPING FOR VISION-AIDED INERTIAL NAVIGATION, filed May 7, 2014, and assigned U.S. Serial Number 14/271,971; this assignment including said application, any provisional, nonprovisional, continuation, continuation-in-part, divisional, reissue, renewal, extension or other application for any of said inventions or improvements, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: JUNE 12 7514	2
	Stergios I. Roumeliotis

STATE OF MINALSOFE)

ANN M. NORDLING

Notary Public-Minnesota
Not Country OF (Line pines Jan 31, 2015)

My Commission Expires Jan 31, 2015

On this 12 th day of 12 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.

Notary Public

PATENT REEL: 057375 FRAME: 0836

the Moreting

Date:		
	Esha	D. Nerurkar
STATE OF)	
)	
COUNTY OF)	
On this	day of	, 2014, before me personate known to be the person described in and who executed the executed the same as his/her free act and deed.
appeared	, to macknowledged that s/	he known to be the person described in and who executed he executed the same as his/her free act and deed.
	C	
The System Tercical State	TOPOT II	
the day and year above wr		unto affixed my official signature with the seal of my offi
		Notary Public

Attorney Docket No.: 1008-093US01/20130290

<u>ASSIGNMENT</u>

For valuable consideration, we, Stergios I. Roumeliotis of 2105 Folwell Ave, Saint Paul, MN 55108 and Esha D. Nerurkar of 128 Ada Ave #15, Mountain View, CA 94043 hereby assign to: Regents of the University of Minnesota, having a place of business at: Suite 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, MN 55455 and its successors and assigns (collectively hereinafter called "the Assignee") the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by us, entitled CONSTRAINED KEY FRAME LOCALIZATION AND MAPPING FOR VISION-AIDED INERTIAL NAVIGATION, filed May 7, 2014, and assigned U.S. Serial Number 14/271,971; this assignment including said application, any provisional, nonprovisional, continuation, continuation-in-part, divisional, reissue, renewal, extension or other application for any of said inventions or improvements, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date:	
	Stergios I. Roumeliotis
STATE OF	
)
COUNTY OF)
On thisappearedforegoing instrument and ack	day of
IN WITNESS WHER the day and year above written	REOF, I have hereunto affixed my official signature with the seal of my office, en.
	NT-4 TO-112-
	Notary Public

Date: June 18, 2014	Esha D. Norurkar
STATE OF	
COUNTY OF)
	ay of
STATE OF CALIFORNIA ACKNOWLEDGMEN COUNTY OF SANTA CLARA 88.	
On June 18 2014 before me, F appeared Esha D. Wethur Kan , who prove evidence to be the person(s) whose name(s) is/are subtracknowledged to me that hig/she/thay executed the same in the	scribed to the within instrument and

PAM ROLPH Commission # 1965089
Notary Public - Galifornia
Santa Clara County
My Comm. Expires Jan 26, 2016

Paragraph is true and correct.

WITNESS my franchish deficial seal.

WITNESS my franchish deficial seal.

With the franchish deficient seal.

M. Commission 1965089 expires January 26, 2016

that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing

> **PATENT REEL: 057375 FRAME: 0840**

RECORDED: 09/02/2021