505185136 11/11/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5231905

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAZHOU GUO	11/21/2017
YUJIE WEI	11/21/2017
XUE MEI	11/21/2017
XIAODI HOU	11/21/2017

RECEIVING PARTY DATA

Name:	TUSIMPLE
Street Address:	9191 TOWNE CENTRE DR.
Internal Address:	SUITE 600
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92122

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15822689

CORRESPONDENCE DATA

Fax Number: (916)404-5569

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: 4084064855

Email: mail@inventive.law

Correspondent Name: INVENTIVE LAW INC.

Address Line 1:11768 ATWOOD ROAD #214Address Line 4:AUBURN, CALIFORNIA 95603

ATTORNEY DOCKET NUMBER:	TUS-77
NAME OF SUBMITTER:	JIM H. SALTER
SIGNATURE:	/jim h salter, Reg. #35668/
DATE SIGNED:	11/11/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

PATENT REEL: 047468 FRAME: 0149

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source=TuS-77_Inventor_Dec-Assn_XM_signed#page1.tif source=TuS-77_Inventor_Dec-Assn_XH_signed#page1.tif source=TuS-77_Inventor_Dec-Assn_DG_signed#page1.tif source=TuS-77_Inventor_Dec-Assn_YW_signed#page1.tif

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of	CVC	Tropies a series of persons and the series of the series o	
Invention	SYSTEM AND METHOD FOR LARGE-SCALE LANE MARKING DETECTION USING MULTIMODAL SENSOR DATA		
Docket Number	TuS-77		
As the below nam	ed in	ventor, I hereby declare that:	
This declaration	\boxtimes	The attached patent application, or	
is directed to:		United States patent application or PCT international application	63am
		filed on (I hereby authorize authority from the assignee to insert on the designated lines above, the application when known.)	
The above-identif	ied ap	oplication was made or authorized to be made by me.	
I believe that I am	the o	original inventor or an original joint inventor of a claimed inven	ntion in the application
or imprisonment of	eage to	that any willful false statement made in this declaration is puni more than five (5) years, or both.	ishable under 18 U.S.C. 1001 by fine
way since pivo, sai	n ruci	JSIMPLE (hereinafter referred to as "ASSIGNEE") having a pla go, CA 92122, desires to acquire the entire right, title and inte patent application;	ice of business at: 9191 Towne Centre erest in said invention and the above-
identified United S and reissues, reex applications filed applications, and in I hereby a own name and the International Com	States amina in con n all I ussign e righ ventio	FORE, for good and valuable consideration, the receipt ary assign to the ASSIGNEE, the entire right, title and interest patent application and in all divisions, continuations and contrations, extensions and renewals of Letters Patent granted ther nuntries foreign to the United States ("foreign countries") and Letters Patents issuing on any such patent applications in the United to the ASSIGNEE the right to file patent applications in forest to claim priority to the above-identified United States pater on and any other relevant treaties;	in said invention and in the above- tinuations-in-part of said application, reon, and in all corresponding patent d corresponding international patent nited States and foreign countries; ign countries on said invention in its it application under the terms of the
I hereby authorize and request the United States Patent & Trademark Office and officials in patent offices in foreign countries to issue any and all of said Letters Patent to the ASSIGNEE as the assignce of my entire right, title and interest in and to the same, for the sole use and on behalf of the ASSIGNEE, its successors, assigns, and legal representatives, to the full end of the term for which said Letters Patent may be granted;			
I hereby warrant and represent that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned; and			
Further, I agree that, without further consideration, I will communicate to the ASSIGNEE any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal, reexamination, extension, and reissue applications, execute all necessary assignment papers to cause said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.			
LEGAL NAME O	FINV	ENTOR	
Inventor: $\underline{X_{L}}$	ıe MI	EI Date:	11/21/2017
Signature:		due prei	· · · · · · · · · · · · · · · · · · ·

INVENTIVE PATENT LAW P.C.

2280 East Bidwell St. #214, Folsom, CA 95630 US (408) 406-4855

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	SYSTEM AND METHOD FOR LARGE-SCALE LANE MARKING DETECTION USING MULTIMODAL SENSOR DATA
Docket Number	TuS-77
As the below nar	ned inventor, I hereby declare that:
This declaration	The attached patent application, or
is directed to:	Parada appropriate Co
	United States patent application or PCT international application number:
The above-identi	fied application was made or authorized to be made by me.
I believe that I an	n the original inventor or an original joint inventor of a claimed invention in the application
or imprisonment	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of not more than five (5) years, or both.
131 2 DRIVE BAO ' 29	AS, TUSIMPLE (hereinafter referred to as "ASSIGNEE") having a place of business at: 9191 Towne Centre in Diego, CA 92122, desires to acquire the entire right, title and interest in said invention and the above-States patent application;
identified United and reissues, reen applications filed applications, and I hereby own name and the	HEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby hereby assign to the ASSIGNEE, the entire right, title and interest in said invention and in the above-States patent application and in all divisions, continuations and continuations-in-part of said application, caminations, extensions and renewals of Letters Patent granted thereon, and in all corresponding patent in countries foreign to the United States ("foreign countries") and corresponding international patent in all Letters Patents issuing on any such patent applications in the United States and foreign countries; assign to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its the right to claim priority to the above-identified United States patent application under the terms of the evention and any other relevant treaties;
I hereby a countries to issue and to the same, full end of the ter	authorize and request the United States Patent & Trademark Office and officials in patent offices in foreign any and all of said Letters Patent to the ASSIGNEE as the assignce of my entire right, title and interest in for the sole use and on behalf of the ASSIGNEE, its successors, assigns, and legal representatives, to the m for which said Letters Patent may be granted;
and broberry ucte	warrant and represent that no assignment, grant, mortgage, license, or other agreement affecting the rights in conveyed has been made to others by the undersigned, and that full right to convey the same as herein essed by the undersigned; and
Further, I respecting said in continuation-in-pa assignment papers acts to aid the AS: States and foreign	agree that, without further consideration, I will communicate to the ASSIGNEE any facts known to me vention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, it, substitute, renewal, reexamination, extension, and reissue applications, execute all necessary to cause said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, perform all lawful SIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United countries.
LEGAL NAME O	F INVENTOR
Inventor: X	iaodi HOU Date:
Signature: <u>/</u>	

INVENTIVE PATENT LAW P.C.

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Docket Number	TuS-77	
As the below nam	ned inventor, I hereby declare that:	
This declaration	The attached parent application, or	
is directed to:	United States patent application or PCT international application number:	
	filed on (I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines above, the filing date and application number of said application when known.)	
	fied application was made or authorized to be made by me.	
	the original inventor or an original joint inventor of a claimed invention in the application.	
I hereby acknowl or imprisonment	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of not more than five (5) years, or both.	
WHEREAS, TUSIMPLE (hereinafter referred to as "ASSIGNEE") having a place of business at: 9191 Towne Centre Dr., Suite 600, San Diego, CA 92122, desires to acquire the entire right, title and interest in said invention and the above-identified United States patent application;		
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I hereby assign to the ASSIGNEE, the entire right, title and interest in said invention and in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, and reissues, reexaminations, extensions and renewals of Letters Patent granted thereon, and in all corresponding patent applications filed in countries foreign to the United States ("foreign countries") and corresponding international patent applications, and in all Letters Patents issuing on any such patent applications in the United States and foreign countries; I hereby assign to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its own name and the right to claim priority to the above-identified United States patent application under the terms of the International Convention and any other relevant treaties;		
I hereby authorize and request the United States Patent & Trademark Office and officials in patent offices in foreign countries to issue any and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and on behalf of the ASSIGNEE, its successors, assigns, and legal representatives, to the full end of the term for which said Letters Patent may be granted;		
I hereby warrant and represent that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned; and		
Further, I agree that, without further consideration, I will communicate to the ASSIGNEE any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal, reexamination, extension, and reissue applications, execute all necessary assignment papers to cause said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.		
LEGAL NAME (DF INVENTOR	
Inventor: <u>E</u>	Dazhou GUO Date: 11/21/2017	
Cianatum		

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This declaration	$\boxtimes$	The attached patent application, or	
is directed to:		United States patent application or PCT international application number:	
		filed on	
The above-identif	ied ap	plication was made or authorized to be made by me.	
I believe that I an	the o	riginal inventor or an original joint inventor of a claimed invention in the application.	
	•	hat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine more than five (5) years, or both.	
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I hereby warrant and represent that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned; and			
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LEGAL NAME O	OF IN	VENTOR	
Inventor:	'ujie '	WEI Date: 1/21/2017	
Signature:	YU	NEI Date: 1/721/201/ Na Wei	

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2280 East Bidwell St. #214, Folsom, CA 95630 US (408) 406-4855

PATENT REEL: 047468 FRAME: 0154

**RECORDED: 11/11/2018**