504348659 05/02/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4395347

SUBMISSION TYPE:		N	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		A	ASSIGNMENT		
CONVEYING PARTY	DATA	·			
		Na	ime		Execution Date
DAQI REN					02/08/2017
MASOOD MORTAZAVI					02/08/2017
RECEIVING PARTY D	ΑΤΑ				
Name:	FUTUR	EWEI T	ECHNOLOGIES, INC.		
Street Address:	5340 LI	EGACY	DRIVE, BLDG 3		
Internal Address:	SUITE	175			
City:	PLANC	PLANO			
State/Country:	TEXAS	TEXAS			
Postal Code:	75024				
Application Number:		1542308	5423085		
CORRESPONDENCE Fax Number:		(612)33	9-3061 nail address first; if that is un	osuccesst	ul it will he sent
using a fax number, i	f provideo	; if that	is unsuccessful, it will be se		
			73-6900		
Email: Correspondent Name		•	st@slwip.com VEGMAN LUNDBERG & WOESSNER, P.A		
•			BOX 2938		
		MINNEA	APOLIS, MINNESOTA 55402		
ATTORNEY DOCKET NUMBER:		43	4368.161US1/ 85219177US01		
NAME OF SUBMITTER:		D	DEBRA E BARTELL		
SIGNATURE:		/C	/Debra E Bartell/		
DATE SIGNED:		05	05/02/2017		
Fotal Attachments: 4					
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RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 4368.161US1

Auy Nel/Docket No.: 4308.101031	ratent and Tratentark Offic			
To the Director of the U.S. Patent and Trademark Office:	Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):			
DaQi Ren, Masood Mortazavi	Name: Futurewei Technologies, Inc.			
Additional name(s) of conveying party(ies) attached?	Street Address: 5340 Legacy Drive, Bldg 3 Suite 175			
 []Yes [X]No 3. Nature of conveyance: [X] Assignment [] Merger 	City: <u>Plano</u> State: <u>TX</u> Zip: <u>75024</u> Country: <u>United States of America</u> Additional name(s) & address(es) attached? []Yes [X]No			
[] Security Agreement[] Change of Name [] Other				
Execution Date: February 8, 2017, February 8, 2017				
4. Application number(s) or patent number(s):				
If this document is being filed together with a new applica	tion, the execution date of the application is:			
A. Patent Application No.(s)	B. Patent No.(s)			
Serial No. 15/423,085				
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: <u>Ognyan (Oggie) I. Beremski</u>	[]Enclosed			
Address: Schwegman Lundberg & Woessner, P.A.	[]Authorized to be charged to deposit account 19-0743			
P.O. Box 2938 Minneapolis, MN 554020938	 Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743 			
DO NOT U	SE THIS SPACE			
9. Statement and signature. To the best of my knowledge and belief, the foregoing info of the original document.	ormation is true and correct and any attached copy is a true cop			
Ognvan (Oggie) I. Beremski/Reg. No. 51,458 /Ogr	ayan I. Beremski/ May 2, 2017			
Name of Person Signing	Signature Date Total number of pages including cover sheet: 4			

P.O. Box 1450 Alexandria, VA 22313-1450

> PATENT REEL: 042219 FRAME: 0995

WHEREAS, I/we, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed below, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

WHEREAS, Futurewei Technologies, Inc. ("Assignce"), a corporation organized and existing under the laws of Texas, with its principal office at 5340 Legacy Drive, Suite 175, Plano, TX 75024 is desirous of acquiring my/our entire right, title and interest in the said invention, and to the said application and any Letters Patent that may issue thereon in the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged. I/we will assign, and hereby assign and transfer to the Assignce and the Assignce's legal representatives, successors and assigns the full and exclusive right, title and interest in and to the invention in the United States and every foreign country and the entire right, title, and interest in and to the patent applications and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisional, reissues, reexaminations, National Phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and I/we do hereby authorize and request the Commissioner for Patents to issue U.S. patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the Assignee agreeably with the terms of this assignment document.

I/we also hereby agree to sell and to assign, and sell and assign to Assignee, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including, but not limited to, the right to file applications and obtain patents under the terms of the International Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I/we hereby further agree that I/we will communicate to Assignee, or its successors, assigns, and legal representative, any facts known to me respecting said invention or the file history thereof, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid such Foturewei, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

Futurewei Technologies, Inc. Patent Reference No. 85219177US01/4368.161US1 Page 1 of 3

PATENT REEL: 042219 FRAME: 0996

IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year;

Title of Invention	OBJECT RECOGNITION IN AUTONOMOUS VEHICLES			
	Appl. No.: U.S. Serial No. 15/423,085	Filing Date: 2 February 2017		
Signature of Inventor	Dep. R.			
Inventor Name	DaQi Ren			
Date	FEB 08.2017			
Residence (City/State)	Saratoga, CA			

Futurewei Technologies, Inc. Patent Reference No. 85219177US01/4368.161US1 Page 2 of 3

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PATENT REEL: 042219 FRAME: 0997 IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year;

Title of Invention	OBJECT RECOGNITION IN AUTONOMOUS VEHICLES				
	Appl. No.: U.S. Serial No. 15/423,085	Filing Date: 2 February 2017			
Signature of Inventor	MA				
Inventor Name	Masood Mortuzavi				
Date	Feb 8, 2017				
Residence (City/State)	San Jose, CA				

Futurewei Technologies, Inc. Patent Reference No. 85219177US01/4368.161US1 Page 3 of 3

PATENT REEL: 042219 FRAME: 0998

RECORDED: 05/02/2017