505850628 01/07/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5897565

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKAMASA HIGUCHI	01/03/2020
SEYHAN UCAR	01/06/2020
ONUR ALTINTAS	01/03/2020

RECEIVING PARTY DATA

Name:	TOYOTA MOTOR NORTH AMERICA, INC.
Street Address:	6565 HEADQUARTERS DRIVE
City:	PLANO
State/Country:	TEXAS
Postal Code:	75024

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16735612

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: paralegal@burbagelaw.com

Correspondent Name: BURBAGE LAW P.C.

Address Line 1: 175 SOUTH MAIN STREET

Address Line 2: SUITE 500

Address Line 4: SALT LAKE CITY, UTAH 84111

ATTORNEY DOCKET NUMBER:	T1834.10283US01
NAME OF SUBMITTER:	KATHERINE D. GARDNER
SIGNATURE:	/Katherine D. Gardner/
DATE SIGNED:	01/07/2020

Total Attachments: 3

source=IPA4191_183410283US01_Assignment_Declaration_Altintas_signed#page1.tif source=IPA4191_183410283US01_Assignment_Declaration_Higuchi_signed#page1.tif source=IPA4191_183410283US01_Assignment_Declaration_Ucar_signed#page1.tif

PATENT 505850628 REEL: 051436 FRAME: 0671

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

Inventor Name	Onur Altintas	
	In consideration of my ongoing employment and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to	
Name of Assignee	Toyota Motor North America, Inc.	
Address of Assignee	6565 Headquarters Drive, Plano, TX 75024	
	(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as	
Identification such as Title, Case Number, or VEHICULAR MICRO CLOUD HUBS		
Foreign Application Number		
Number	(Attorney Docket No. <u>T1834.10283US01</u>), filed on even date herewith or as	
Alternative	U.S. Application Number $16/735,612$	
Identification for		
filed applications	filed January 6, 2020	
2) Each undersigned agrees declared concerning any application or and going forward with such interferer 3) Each undersigned agrees claims or provisions of the Internation 4) Each undersigned agrees reexamination a grant of a valid Uniter 5) Each undersigned authori resulting from said application(s) to the entire interest herein assigned, and that this assignment is binding on Assignon 6) Each undersigned hereby may be necessary or desirable in order document.	to execute all papers and documents and perform any act which may be necessary in connection with all Convention for Protection of Industrial Property or similar agreements. to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or	
Declaration		
As an above named inventor, I hereby I believe I am the original invention which this declaration is being submitted	ntor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for	
The application was made or authorized to be made by me.		
I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
In witness whereof, execute	ed by the undersigned on the date(s) opposite the undersigned name(s).	
Date 1/3/2020	Inventor Signature	

PATENT REEL: 051436 FRAME: 0672

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

	Inventor Name	Takamasa Higuchi
		In consideration of my ongoing employment and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to
	Name of Assignee Toyota Motor North America, Inc.	
	Address of Assignee	6565 Headquarters Drive, Plano, TX 75024
		(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as
Identification such as Title, Case Number, or		VEHICULAR MICRO CLOUD HUBS
	Foreign Application Number	
	LA da yan eb eb	(Attorney Docket No. T1834.10283US01), filed on even date herewith or as
	Alternative	U.S. Application Number 16/735,612
	Identification for	
	filed applications	filed January 6, 2020
2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding. 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee. 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives. 6) Each undersigned hereby grants the firm of Burbace Law PC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.		
	eclaration	
	e named inventor, I hereby	
I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.		
T	The application was made or authorized to be made by me.	
I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).		
Date	01/03/20	Investor Signature Takamasa Nignchi

PATENT REEL: 051436 FRAME: 0673

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

Inventor Name	Seyhan Ucar	
7. 4	In consideration of my ongoing employment and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does as sign, transfer and set over to	
Name of Assignce	Toyota Motor North America, Inc.	
Address of Assignee	6565 Headquaners Drive, Plano, TX 75024	
	(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. § 100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as	
Identification such as Title, Case Number, or	VEHICULAR MICRO CLOUD HUBS	
Foreign Application Number		
. 1 2 7 2 2 2 2	(Attorney Docket No. T1834, 10283US01), filed on even date herewith or as	
Alternative	U.S. Application Number 16/735,612	
Identification for		
filed applications	filed January 6, 2020	
1) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary. 2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding, which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding. 3) Each undersigned agrees to execute all papers and documents and performany act which may be necessary in connection with claims or provisions of the international Convention for Protection of Industrial Property or similar agreements. 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee. 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assigner and Assigner's heirs, successors, assigns and legal representatives. 6) Each undersigned hereby grants the firm of Burrage Law PC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.		
Declaration		
As an above named inventor, I hereby declare that: I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.		
The application was made or authorized to be made by me.		
I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).		
Date 01/06/202	O Inventor Signature	

PATENT REEL: 051436 FRAME: 0674

RECORDED: 01/07/2020