505489825 05/22/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5536629

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SIYUAN DAI	05/15/2019
NIKOS ARECHIGA	05/21/2019
CHUNG-WEI LIN	05/15/2019
SHINICHI SHIRAISHI	05/22/2019

RECEIVING PARTY DATA

Name:	TOYOTA JIDOSHA KABUSHIKI KAISHA
Street Address:	1, TOYOTA-CHO
City:	TOYOTA-SHI, AICHI-KEN
State/Country:	JAPAN
Postal Code:	471-8571

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15716610

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:	T1834.10188US01
NAME OF SUBMITTER:	KATHERINE D. GARDNER
SIGNATURE:	/Katherine D. Gardner/
DATE SIGNED:	05/22/2019

Total Attachments: 4

source=IPA3434_183410188US01_Declaration_Assignment_Shiraishi_SIGNED#page1.tif source=IPA3434_183410188US01_Declaration_Assignment_Arechiga_SIGNED#page1.tif source=IPA3434_183410188US01_Declaration_Assignment_Lin_SIGNED#page1.tif

PATENT 505489825 REEL: 049259 FRAME: 0623

source=IPA3434_183410188US01_Declaration_Assignment_Dai_SIGNED#page1.tif

ASSIGNMENT

Inventor Name	Shinichi Shiraishi
	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 JIDOSHA KABUSHIKI KAISHA
Address of Assignee	1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan
	(hereinafter designated as the Assignce) 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	PERSONALIZED AUGMENTED REALITY VEHICULAR ASSISTANCE FOR COLOR
Title, Case Number, or Foreign Application	BLINDNESS CONDITION
Number	(Attorney Docket No. T1834,10188US01), filed on even date herewith or as
Alternative	U.S. Application Number 15/716,610
Identification for	
filed applications	filed September 27, 2017
to execute separate assignments in cor 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 Unite 5) Each undersigned authori resulting from said application(s) to the entire interest herein assigned, and tha this assignment is binding on Assignon 6) Each undersigned hereby	to execute all papers and documents and perform any act which may be necessary in connection with al 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 inversion 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 i.
The application was made or a	uthorized to be made by me.
	d the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the amaterial to patentability as defined in 37 CFR §1.56.
I hereby acknowledge that a imprisonment of not more than five (5	ny willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or i) years, or both.
In witness whereof, execute	ed by the undersigned on the date(s) opposite the undersigned name(s).
Date 5/22/2019	Inventor Signature

ASSIGNMENT

Nilona America

Name	
	In consideration of the cargainst employment and other good and valuable consideration paid to each of the anticropping, the record and stationance of which are header acknowledged, each moleculated agrees to gauge, and benefit dues weigh, transfer and services to
Name of Assigner	TOSOTA JUXISHA KABUSHKI KASHA
Address of Assigner	1, Taylou-cha, Taylou-std, Astro-ben, 471-857) Japan
	Secretarian designated on the Assigner, and Assigner's heart, succession, secretarian legal representatives
	the spirit group and member the the Chatesi States of Assertes or defined in 35 U.S.C. \$105, in the recentless and in all optimizations for power to feeling any and all provinces of the provinces, distances,
	Control Contro
The Care Number or	PRESENTATION AND APPRICAGALITY OF HETELAR ASSISTANCE FOR COLUM
Eurolge Application Named of	SUNDACES CONCITE AS
values:	(Amongo Paulac No. 11814.10.985.501), filed as even data between the ex-
Alternative	E.S. Application Parents: 197(4.610
Identification for	
Sted applications	Sted September 27, 2017

If the month of the to the court of the section is consequently and the state of the section of the section is a section of the section of th Burker of Angeles and Angeles

Di Each states great agrees to execute all pages paressary in connection with any indistribute or past-great preciseding which may be nd inscrining any application of point for the insention and to conjection with the Acotymes in every way postuble to installing existence

and going the ward with such conclusions or prior grant proceeding.

It is an improved agreen to execute all papers and documents and perform any act which may be necessary in connection with esames or provinces of the International Convenium for Provincian of Industrial Property or similar agreements.

4) Each undersigned agrees respectives all afficientive acts which may be necessary to obtain, maintain or confirm by prissue or

passengeries a graph of a value Center States patent to the Assignor-

 Each undersigned authorizes and regions the Commissions of the U.S. Paters and Trademark Office to issue any and all patents. page trap (SNR) and applications (to the South Analysis, as Analysis of the estine interest, and convenien that he or the last full right to convey the encountries between acceptant, and that he or she has not executed, and will not execute, any agreements in conflict between, and agrees that Management is the diagram Assignment of Assignment better successors, assigns and logic representatives

6) But increased treety grans the line of Branch Law PC the power is over or the acaptions any larther stensification that may be recovery or desirable of color to comply with the roles of the Contact States Father and Trademage Office the recording of this document

Declaration

Inventor

As an above named covering. I hereby declara that

ubich des destention is being submitted.

The appropriate that the second secon

CONTRACTOR OF THE PROPERTY OF

the sections selected, consisted the tips and company on the devices requests the constraining frames.

5/21/2019

ASSIGNMENT

Name	Chung-Wei Lin	
	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 JIDOSHA KABUSHIKI KAISHA	
Address of Assignee	1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan	
Identification such as	(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 PERSONALIZED AUGMENTED REALITY VEHICULAR ASSISTANCE FOR COLOR	
Title, Case Number, or Foreign Application Number	BLINDNESS CONDITION	
	(Attorney Docket No. T1834.10188US01), filed on even date herewith or as	
Alternative	U.S. Application Number 15/716,610	
Identification for		
filed applications	filed September 27, 2017	

- 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 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 BURBAGE 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).

5/15/2019 Inventor Signature Chay-Wei Co

ASSIGNMENT

Inventor Name	Siyuan Dâi
	In consideration of my engoing employment and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are increby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to
Name of Assignee	TOYOTA JIDOSHA KABUSHKI KAISHA
Address of Assignee	I, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan
	(bereinafter 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 puteri 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 in the invention known as
Identification such as	PERSONALIZED AUGMENTED REALITY VEHICULAR ASSISTANCE FOR COLOR
Title, Case Number, or Foreign Application	BLINDNESS CONDITION
Number	(Attorney Docket NoT1834-10188USO)
Alternative	U.S. Application Number 137716,610
Identification for	
filed applications	filed September 27, 2017
claims or provisions of the Internation 4) Each undersigned agrees reexamination a grant of a valid Unite 5) Each undersigned author resulting from said application(s) to the entire interest herein assigned, and the this assignment is binding on Assigno 6) Each undersigned hereby	to execute all papers and documents and perform any act which may be necessary in connection with cal 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
As an above named inventor, I hereby	declars that:
I believe I am the original invewhich this declaration is being submitted	ntor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for i.
The application was made or a	uthorized to be made by me.
	d the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the smalerial to patentability as defined in 37 CFR \$1.56.
I hereby acknowledge that at imprisonment of not more than five (3	ry willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or — .) years, or both
la witness whereof, execute	of by the undersigned on the date(s) opposite the undersigned name(s).
Date 5/13/201	9 Inventor Signature

PATENT REEL: 049259 FRAME: 0628

RECORDED: 05/22/2019