507147165 02/24/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7194009

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PREETI JAYAGOPI PILLAI	06/17/2018
RAHUL PARUNDEKAR	06/11/2018
KENTARO OGUCHI	06/08/2018
VEERA GANESH YALLA	06/10/2018

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:	16028117

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: P.O. BOX 3607

Address Line 4: PAWLEYS ISLAND, SOUTH CAROLINA 29585

ATTORNEY DOCKET NUMBER:	T1834.10154US02
NAME OF SUBMITTER:	KATHERINE D. GARDNER
SIGNATURE:	/Katherine D. Gardner/
DATE SIGNED:	02/24/2022

Total Attachments: 4

source=0216CON_TSN201510770US01_183410154US02_Combined-Declaration-Assignment#page1.tif source=0216CON_TSN201510770US01_183410154US02_Combined-Declaration-Assignment#page2.tif source=0216CON_TSN201510770US01_183410154US02_Combined-Declaration-Assignment#page3.tif source=0216CON_TSN201510770US01_183410154US02_Combined-Declaration-Assignment#page4.tif

PATENT 507147165 REEL: 059095 FRAME: 0471

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

ASSIGNMENT

taveator Name	Prests Jayagopi Pillai	
	In consideration of my imports employment and other great and valuable consideration paid to each of the traderagned. The receipt and inflictions yield which are hereby acknowledged, each undersigned agrees to assign, and benefit does assign, transfer and set overto.	
Name of Assigner	TOYOTA IIDVISHA KABUSHIKI KAISHA	
Address of Assigner	1, Toyota-cho, Toyota-shi, Aichi-ken, 471-857) Japan	
	Checonsider designated in the Anapper and Anapper (announce) on the engine and logal representations. The entire right rate and macrosides the United States of America in defined in 1915 C (1991) in the birection, and in all applications for parcel including any and all provinces of one provinced designated and content of the parcel and Later Parcel, extraoring parcel and recommended in the parcel and the p	
Identification such as Title, Case Number, or Pareign Application Number	STRATEPIAL UNDERSTANDING OF UNKNOWN BOADWAY CONDITIONS THAT ARE	
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	(Attorney Decker No. T.N. M. 1015M, 501 1 1 filed on even date herewith or as	
Alternative Education for	U.S. Application Number 15 196 593	
filed applications	filed - June 29, 2016	
l Earl make an over the		

- Each and expend agrees to execute all papers accesses; in connection with any application and or patent for the inventors and also to execute approximate an expension is connection with such applications and patents as the Assigner may deem accessory.
- 2) Lock indications to execute all papers receively in connection with any interference or post-grain proceeding which may be declared convenient any application or patent for the invention and in cooperate with the Assigner in every way possible in obtaining evidence and proof forward with each interference or post-grain proceeding.
- The Earlie and Engine degrees to execute all papers and decomment and perform any activity may be necessary in connection with Classics of provincial of the International Convention for Provincian of Indication Property or similar agreements.
- Each materiograph agrees to perform all affirmative acts which may be recessory to obtain, maintain or confirm by resource researchers a grant of a salid United States parent to the Assigner.
- The branch regard authorizes and request the Commission of the U.S. Pour and Trademick Office is some or and all poors.

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Declaration

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In allows otherwal, executed by the andersigned on the date(s) opposite the andersigned name(s).

PATENT REEL: 059095 FRAME: 0472

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	Rahul Parundeker
		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 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	SITUATIONAL UNDERSTANDING OF UNKNOWN ROADWAY CONDITIONS THAT ARE
	Title, Case Number, or Foreign Application	AHEAD FOR A CONNECTED VEHICLE
	Number	(Attorney Docket No. T1834.10154US01), filed on even date herewith or as
	Alternative	U.S. Application Number 15/196,593
	Identification for	
	filed applications	filed June 29, 2016
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	
	ove named inventor, I hereby I believe I am the original inve s 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	d by the undersigned on the date(s) opposite the undersigned name(s).
Date	6/11/2018	Inventor Signature

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	Kentaro Oguchi	
	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 SITUATIONAL UNDERSTANDING OF UNKNOWN ROADWAY CONDITIONS THAT ARE	
Title, Case Number, or Foreign Application	AHEAD FOR A CONNECTED VEHICLE	
Number	(Attorney Docket No. T1834.10154US01), filed on even date herewith or as	
Alternative Identification for	U.S. Application Number 15/196,593	
filed applications	filed June 29, 2016	

- 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).

Date 6-8-2018 Inventor Signature

PATENT REEL: 059095 FRAME: 0474

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	Veera Ganesh Yalla
	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	!, Toyota-cho, Toyota-shi, Aichi-ken, 471-857! Japan
	(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	SITUATIONAL UNDERSTANDING OF UNKNOWN ROADWAY CONDITIONS THAT ARE
Title, Case Number, or Foreign Application	AHEAD FOR A CONNECTED VEHICLE
Number	(Attorney Docket No. T1834.10154US01), filed on even date herewith or as
Alternative	U.S. Application Number 15/196,593
Identification for	C.O. reppinedion Named
filed applications	filed June 29, 2016
and going forward with such interfered 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 that 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 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 inve- 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 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 americal to patentability as defined in 37 CFR §1.56.
I hereby acknowledge that an 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) years, or both.
In witness whereof, execute	d by the undersigned on the date(s) opposite the undersigned name(s).
Date 2018/06/10	Inventor Signature Yalla Velra Gamen

RECORDED: 02/24/2022

PATENT REEL: 059095 FRAME: 0475