### 506950487 10/29/2021

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6997324

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Ayaka KAGAMI	09/02/2021
Atsushi HANAWA	09/02/2021
Soshiro MURATA	09/02/2021
Hideo HASEGAWA	09/06/2021
Genshi KUNO	09/02/2021
Yuta KIKUZAKI	08/02/2021
Yuu OOMI	08/02/2021
Takeshi YAMADA	08/03/2021
Masako FURUTA	08/03/2021
Toshihisa SHIMOME	08/10/2021
Kensuke SASAKI	08/06/2021

#### **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:	17514445

### **CORRESPONDENCE DATA**

**Fax Number:** (703)836-2787

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: 703-836-6400
Email: email@oliff.com
Correspondent Name: JOHN A. RADI
Address Line 1: OLIFF PLC

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

REEL: 057962 FRAME: 0852

PAIENI

ATTORNEY DOCKET NUMBER:	198275
NAME OF SUBMITTER:	KARLI M. COLLINS
SIGNATURE:	/Karli M. Collins/
DATE SIGNED:	10/29/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 10	
source=198275AD#page1.tif	
source=198275AD#page2.tif	
source=198275AD#page3.tif	
source=198275AD#page4.tif	
source=198275AD#page5.tif	
source=198275AD#page6.tif	
source=198275AD#page7.tif	
source=198275AD#page8.tif	
source=198275AD#page9.tif	
source=198275AD#page10.tif	

TFN200192-US

Attorney Docket No.: Client Ref.: TSN202001269US00

# 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	VEHICLE DISPLAY DEVICE	
As the below	named inventor, I hereby declare that:	
This declarati	on	
	United States application or PCT international application number filed on	
The above-ide	entified application was made or authorized to be made by me.	
I believe that	I am the original inventor or an original joint inventor of a claimed invention in the application.	
I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.		
I 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.		
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of five (5) years, or both.	
WHEREAS,	TOYOTA JIDOSHA KABUSHIKI KAISHA , with offices at	
1, Toyo	ota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan	
(hereinafter r	eferred to as ASSIGNEE), is desirous of acquiring all interest in, to and under said invention, said application disclosing the	

(hereinafter referred to as ASSIGNEE), is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any renewal or reissues of any Letters Patent which may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

NAME OF SOLE OR FIRST INVENT	OR:		
Given Name			
(first and middle [if any])	Ayaka	Family Name or Surname	KAGAMI
Inventor's signature	/ Ayaka Ka	gamil Date	September,2,2021
Residence: Inazawa-shi, Aic	hi-ken, Japan		
c/o TOYOTA	JIDOSHA KABUSH	IIKI KAISHA	
Mailing Address: 1, Toyota-che	o, Toyota-shi, Aichi-k	en, 471-8571 Japan	
NAME OF SECOND INVENTOR:			
Given Name	A 4 %		<b>TT A 3</b> 5.T A <b>35.</b> T A
(first and middle [if any])	<u>Atsushi</u>	Family Name or Surname	HANAWA
Inventor's signature	/Atonohi	Henswed Date	September,2,2021
Residence: Miyoshi-shi, Aic	hi-ken, Japan		
	A JIDOSHA KABUSH		
Mailing Address: 1, Toyota-cho	o, Toyota-shi, Aichi-k	en, 471-8571 Japan	
NAME OF THIRD INVENTOR:	***************************************		
Given Name (first and middle [if any])	Soshiro	Family Name or Surname	MURATA
Inventor's signature	/Sodii	o Murata/	September, 2, 2021
Residence: Nagoya-shi, Aich	AA	**************************************	
1 770 1	JIDOSHA KABUSH		
	o, Toyota-shi, Aichi-k	en, 4/1-85/1 Japan	***************************************
NAME OF FOURTH INVENTOR:	***************************************	***************************************	
Given Name (first and middle [if any])	Hideo	Eamily Name or Surname	HASEGAWA
Inventor's signature	ن4/	des fasegowed Date	September 6, 2021
Residence: Nagoya-shi, Aich	ni-ken Ianan		
}	A JIDOSHA KABUSH	IIKI KAISHA	
§	o, Toyota-shi, Aichi-k		
NAME OF FIFTH INVENTOR:			
Given Name (first and middle [if any])	Genshi	Family Name or Surname	KUNO
Inventor's signature	16	enshi kuns/	September 2, 2021
Residence: Toyota-shi, Aich	i-ken. Japan		
c/o TOYOTA JIDOSHA KABUSHIKI KAISHA			
	o, Toyota-shi, Aichi-k		

NAME OF SIXTH INVENTO	<b>₹:</b>		
Given Name	<b>%</b> 7 4.		<b>ኮ/ፕፕ/ፕ</b> /ጽ ል ፕ/ፕ
(first and middle [if any])	Yuta	Family Name or Surname	KIKUZAKI
Inventor's signature		Da	te
Chivoda la	Tokyo Japan		
<del></del>	, Tokyo, Japan Jagual Proporty Dopo:	rtment NTT DOCOMO, IN	JC
	Z V Z	1, Nagatacho 2-chome, Ch	
C1 PO T	,	i, nagataono z-enome, en	iyoda-ka, rokyo roo-
Mailing Address: 615U Ja  NAME OF SEVENTH INVEN			
Given Name	I UIV.		
(first and middle [if any])	Yuu	Family Name or Surname	OOMI
Inventor's signature		Da	te
Residence: Chiyoda-ku	, Tokyo, Japan		
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	rtment NTT DOCOMO, IN	JC.
	12. 7 12.	1, Nagatacho 2-chome, Ch	
Mailing Address: 6150 Ja	•	-, 1 ( <b></b>	1,000,100,100,000
NAME OF EIGHTH INVENT	500000000000000000000000000000000000000	000000000000000000000000000000000000000	
Given Name			
(first and middle [if any])	Takeshi	Family Name or Surname	YAMADA
Inventor's signature		Da	te
Residence: Anjo-shi, A	ichi-ken, Japan		
c/o TOY	YOTA BOSHOKU KA	ABUSHIKI KAISHA	
Mailing Address: 1-1, To	oda-cho, Kariya-shi, <i>i</i>	Aichi-ken, 448-8651, Japai	1
NAME OF NINTH INVENTO	R:	***************************************	
Given Name (first and middle [if any])	Masako	Family Name or Surname	FURUTA
Inventor's signature		Da	te
paddana Kariya-shi	Aichi-ken, Japan		
	YOTA BOSHOKU KA	RUSHIKI KAISHA	
		Aichi-ken, 448-8651, Japai	3
maning Address: 1-1, 10	own viiv, ixuityu-bille d	. ALVIII ISVII, TTOTOTOJI, JAPAI	.4

NAME OF TENTH INVENTO	₹;		
Given Name (first and middle [if any])	Toshihisa	Family Name or Surname	SHIMOME
Inventor's signature		Date	
Residence: Gifu-shi, Gi	fu-ken, Japan		
c/o JTB	Corp.		
Mailing Address: 2-3-11, 1	Higashi-shinagawa, Sh	inagawa-ku, Tokyo, Japan	140-8602
NAME OF ELEVENTH INVE	VTOR:		
Given Name (first and middle [if any])	Kensuke	Family Name or Surname	SASAKI
Inventor's signature		Date	
Residence: Shinjuku-ku	, Tokyo, Japan		
c/o JTB Publishing, Inc.			
Mailing Address: 25-5 HA	RAIKATAMACHI, S	HINJUKU-KU TOKYO 1	62-8446, JAPAN

Attorney Docket No.: Client Ref.: TSN202001269US00

# 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	VEHICLE DISPLAY DEVICE		
As the below	named inventor, I hereby declare that:		
This declarati	on		
	United States application or PCT international application number		
	filed on		
The above-id	entified application was made or authorized to be made by me.		
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.			
I have review	ed and understand the contents of the application for which this assignment with declaration is being submitted.		
I 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.		
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of five (5) years, or both.		
whereas,  1, Toyo	TOYOTA JIDOSHA KABUSHIKI KAISHA , with offices at ota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan		

(hereinafter referred to as ASSIGNEE), is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries:

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any renewal or reissues of any Letters Patent which may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

NAME OF SOLE OR FIRST INVENTOR:				
Given Name	Ayaka	Family Name or Surname	KAGAMI	
(first and middle [if any])	1 % 7 48 8 8 8 8	ramay Manie or Burrame	**************************************	
Inventor's signature		Di	ite	
Residence: Inazawa-shi, Aich		,		
	JIDOSHA KABUSHI			
Mailing Address: 1, Toyota-cho.	, Toyota-shi, Aichi-kei	n, 471-8571 Japan		
NAME OF SECOND INVENTOR:		<b>Y</b>		
Given Name (first and middle [if any])	Atsushi	Family Name or Sumame	HANAWA	
Inventor's signature	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Di	ile	
Residence: Miyoshi-shi, Aich	i-ken, Japan			
	JIDOSHA KABUSHI	KI KAISHA		
Mailing Address: 1, Toyota-cho,	Toyota-shi, Aichi-ker	n, 471-8571 Japan		
NAME OF THIRD INVENTOR:				
Given Name (first and middle [if any])	Soshiro	Family Name or Surname	MURATA	
Inventor's signature		Da	ste	
Residence: Nagoya-shi, Aichi	-ken, Japan			
	JIDOSHA KABUSHI			
Mailing Address: 1, Toyota-cho,	Toyota-shi, Aichi-ker	n, 471-8571 Japan		
NAME OF FOURTH INVENTOR:				
Given Name (first and middle [if any])	Hideo	Family Name or Sumame	HASEGAWA	
inventor's signature		Dş	ste	
Residence: Nagoya-shi, Aichi-ken, Japan c/o TOYOTA JIDOSHA KABUSHIKI KAISHA				
13	Toyota-shi, Aichi-ker			
NAME OF FIFTH INVENTOR:		·		
Given Name (first and middle [if any])	Genshi	Family Name or Sumame	KUNO	
Inventor's signature		Da	nte.	
Residence: Toyota-shi, Aichi-ken, Japan				
	JIDOSHA KABUSHI			
Malling Address: 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan				

NAME OF SIXTH	INVENTOR:		***************************************	
Given Name				אויב אי . אייזי ערעי אראר א
(first and middle (if	any])	Yuta	Family Name or Sumame	KIKUZAKI
Inventor's signature	Yuta	<u> Kikuzaki</u>	Date	Aug. 02. 2021
Residence: Ch	iyoda-ku, Tok;			~~
	c/o Intellectua	il Property Department	NTT DOCOMO, INC	<b></b>
	SANNO PAR	K TOWER, 11-1, Nag	atacho 2-chome, Chiy	oda-ku, Tokyo 100-
Mailing Address:	6150 Japan			
NAME OF SEVEN				
Given Name (Best and middle lif	#3y{}	Yuu	Family Name or Surname	OOMI
Inventor's signature	No.	Ooni	Danc	Aug .02.2021
Residence: Ch	iyoda-ku, Tokj	yo, Japan		
	c/o Intellectua	al Property Department	NTT DOCOMO, INC	mų ⊶ s
	SANNO PAR	K TOWER, H-1, Nag	atacho 2-chome, Chiy	oda-ku, Tokyo 100-
Mailing Address:	6150 Japan		·	
NAME OF EIGHT	R INVENTOR:		rimmunimining and a second	
Given Name		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
(first and middle (if	#XX	Takeshi	Family Name or Surname	YAMADA ·
Inventor's signature			Date	
	s is s	×		
Residence: All	jo-shi, Aichi-k		**************************************	
		BOSHOKU KABUSI		
Mailing Address:	1-1, l'oyoda-c	tho, Kariya-shi, Aichi-l	(en, 448-8651, Japan	
NAME OF NINTH	INVENTOR:		,	
Given Name (first and middle [if	any})	Masako	Family Name or Surname	FURUTA
Inventor's signature			Date	
Residence: Ka	riya-shi, Aichi			
	*	BOSHOKU KABUSI		
Mailing Address:	1-1, Toyoda-c	:ho, Kariya-shi, Aichi-l	cen, 448-8651, Japan	

NAME OF SIXTH	INVENTOR:							
Given Name	- 460	<b>V</b> /			8 or 8	KIKUZAKI		
(first and middle (if	any])	Yuta		Family Name or Surnar	me I	2 X Z Z X X / E / I T X Z X Z		
					Date			
Inventor's signature					i			
Residence: Chiyoda-ku, Tokyo, Japan								
	c/o Intellectu	ial Property	Department	NTT DOCOMO	, INC		, 1	
SANNO PARK TOWER, 11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-								
Mailing Address:	6150 Japan							
NAME OF SEVEN	TH INVENTOR:							
Given Name (first and middle [if	any [)	Yuu		Family Name or Suma	me	OOMI		
				90 (90 (90 (90 (90 (90 (90 (90 (90 (90 (	Du-			
Inventor's signature				<u></u>	Date			
Residence: Ch	iyoda-ku, To	kyo, Japan						
residence: Sa	c/o Intellect	ual Property	Department	NTT DOCOMO	), INC	*		
	SANNO PA	RK TOWE	R. 11-1, Nag	atacho 2-chome,	Chiyo	oda-ku, Tokyo 100	0-	
Mailing Address:	6150 Japan			00 00 00 00 00 00 00 00 00 00 00 00 00		30		
NAME OF EIGHT			· · · · · · · · · · · · · · · · · · ·		•••••	35		
	LEE SITY SULTERANTS					10000 10000 10000		
Given Name (first and middle [if	any])	Takeshi		Family Name or Surna	me	YAMADA		
Inventor's signature		eski Ye	ea La		Date	Aug. 3,2021		
Residence: Ar	njo-shi, Aichi	-ken, Japan						
c/o TOYOTA BOSHOKU KABUSHIKI KAISHA								
Mailing Address: 1-1, Toyoda-cho, Kariya-shi, Aichi-ken, 448-8651, Japan								
NAME OF NINTI								
Given Name			75 (1965) - 1965 (1965) - 1965 (1966) 1966 - 1966 1966 - 1966 (1966) - 1966 (1966)			STOR (STARS ("ST.A.		
(first and middle [ii	any])	Masako		Family Name or Surna	រព <del>ាខ</del>	FURUTA	*********	
Inventor's signatur	y 10 4/20	0.40.10	Formiton	· · · · · · · · · · · · · · · · · · ·	Date	Lag 9-2021		
	ariya-shi, Aic	hi-ken. Jana	<b>11</b>	**************************************				
c/o TOYOTA BOSHOKU KABUSHIKI KAISHA								
Tarangas proportidoscos -				ken, 448-8651, J	apan			
Mailing Address:	1 1, 10, 20,000			***************************************	mmumium		***************************************	

NAME OF TENTH INVENTOR:								
Given Name (first and middle [if any]) <b>Toshihisa</b>	Family Name or Surname SHIMOME							
Inventor's signature To Alh's A Shimo Ma	Date August 10, 202/							
Residence: Gifu-shi, Gifu-ken, Japan								
c/o JTB Corp.								
Mailing Address: 2-3-11, Higashi-shinagawa, Shinagawa-ku, Tokyo, Japan 140-8602								
NAME OF ELEVENTH INVENTOR:								
Given Name (first and middle [if any]) <b>Kensuke</b>	Family Name or Surname SASAKI							
Inventor's signature	Date							
Residence: Shinjuku-ku, Tokyo, Japan								
c/o JTB Publishing, Inc.								
Mailing Address: 25-5 HARAIKATAMACHI, SHINJUKU-KU TOKYO 162-8446, JAPAN								

NAME OF TENTH INVENTOR:									
Given Name (first and middle [if any])	Toshihisa	Family Name or Suma	une SHIMOME						
Inventor's signature		8	Date						
Residence: Gifu-shi, Gifu-	-ken, Japan		* *						
c/o JTB Corp.  Mailing Address: 2-3-11, Higashi-shinagawa, Shinagawa-ku, Tokyo, Japan 140-8602									
NAME OF ELEVENTH INVENTOR:									
Given Name (first and middle [if any])	Kensuke	Family Name or Sum	ume SASAKI						
Inventor's signature Ker	rsuke Sasaki		Date August 6,2021						
Residence: Shinjuku-ku, Tokyo, Japan									
c/o JTB Publishing, Inc.									
Mailing Address: 25-5 HARAIKATAMACHI, SHINJUKU-KU TOKYO 162-8446, JAPAN									

**RECORDED: 10/29/2021**