#### 504675366 12/07/2017

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4722088

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TORU YAMAGUCHI	11/22/2017
ERI SHIMOKAWARA	11/22/2017
KAZUKI HIRATA	11/22/2017
TOMOYA TAKATANI	11/24/2017

#### **RECEIVING PARTY DATA**

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State/Country:	JAPAN
Postal Code:	471-8571
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Street Address:	2-3-1, NISHI-SHINJYUKU
City:	SHINJYUKU-KU, TOKYO
State/Country:	JAPAN
Postal Code:	163-0926

### **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	15834129	

### **CORRESPONDENCE DATA**

Fax Number: (703)413-2220

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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**Correspondent Name:** OBLON, ET AL.

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Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 509727US

NAME OF SUBMITTER: **TIFFANY SHELTON** 

> PATENT REEL: 044325 FRAME: 0326

504675366

SIGNATURE:	/Tiffany Shelton/
DATE SIGNED:	12/07/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 4 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif	

Invention	LANGUAGE STORAGE METHOD	AND LANGUAGE DIALOG SYSTEM
As the below name	d inventor, I hereby declare that:	
This declaration 🔽	The attached application, or	
is directed to:	United States application or PCT internatio filed on	nal application number
The above-identifie	d application was made or authorized to be m	nade by me.
I believe that I am t	he original inventor or an original joint inven	tor of a claimed invention in the application.
	YOTA JIDOSHA KABUSHIKI KAISHA and	
471-8571 Japan an jointly acquiring in	d 2-3-1, Nishi-shinjyuku, Shinjyuku-ku, To terests in the entire right, title and interest in a	business at: 1, Toyota-cho, Toyota-shi, Aichi-ken, kyo 163-0926, Japan, respectively are desirous of and to said invention and in and to any Letters Patent ial possessions and in any and all foreign countries;
acknowledged, and ASSIGNEES, the f in all foreign countr relevant Internation in and to any and a	for other good and valuable consideration, I, I all and exclusive right to the said invention in the claim priority under al Treaties and Arrangements from the afores al Letters Patent which may be granted theref	DOLLARS (\$5.00), the receipt whereof is hereby by these presents do sell, assign and transfer unto said in the United States and its territorial possessions and are the terms of the International Convention and other said application) and the entire right, title and interest for in the United States and its territorial possessions divisions, reissues, continuations, substitutions and
and all foreign coun of my entire right successors and assign	tries to issue any and all of said Letters Patent, title and interest in and to the same, for t	te United States and its territorial possessions and any t, when granted, to said ASSIGNEES as the assignees the sole use and behoof of said ASSIGNEES, their I Letters Patent may be granted, as fully and entirely and sale not been made.
Further, I agree that I will communicate to said ASSIGNEES or their representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
by fine or imprison	ment of not more than five (5) years, or both.	n this declaration is punishable under 18 U.S.C. 1001
LEGAL NAME OF	INVENTOR	
Inventor: Toru Y	AMAGUCHI	Date: November 22, 2017
Signature:	Torn youngul	۷

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of Invention	LANGUAGE STORAGE METHOD AND LANGUAGE DIALOG SYSTEM	
As the below name	d inventor, I hereby declare that:	
This declaration 🗸	The attached application, or	
is directed to:	United States application or PCT international application number filed on	
The above-identifie	ed application was made or authorized to be made by me.	
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.	
	YOTA JIDOSHA KABUSHIKI KAISHA and Tokyo Metropolitan University	
471-8571 Japan an jointly acquiring in	ed to as "ASSIGNEES") having places of business at: 1, Toyota-cho, Toyota-shi, Aichi-ken, ad 2-3-1, Nishi-shinjyuku, Shinjyuku-ku, Tokyo 163-0926, Japan, respectively are desirous of terests in the entire right, title and interest in and to said invention and in and to any Letters Patent I therefore in the United States and its territorial possessions and in any and all foreign countries;	
acknowledged, and ASSIGNEES, the fi in all foreign countr relevant Internation in and to any and a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said full and exclusive right to the said invention in the United States and its territorial possessions and ries (including the right to claim priority under the terms of the International Convention and other hal Treaties and Arrangements from the aforesaid application) and the entire right, title and interest all Letters Patent which may be granted therefor in the United States and its territorial possessions foreign countries and in and to any and all divisions, reissues, continuations, substitutions and	
and all foreign coun of my entire right successors and assig	ze and request the Patent Office Officials in the United States and its territorial possessions and any ntries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignees t, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their gns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely have been held by me had this Assignment and sale not been made.	
Further, I agree that I will communicate to said ASSIGNEES or their representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
by fine or imprison	riedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.	
LEGAL NAME OF	INVENTOR	
Inventor: Eri SHI	MOKAWARA Date: November 22, 2017	
Signature:	Er Shinkavara	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Invention	LANGUAGE S	STORAGE	METHOD AN	D LANGUA	AGE DIALOG	3 SYSTE	M
As the below name	d inventor, I hereby	declare that	t:	***************************************			
This declaration 🗸	The attached app	lication, or					
is directed to:	United States app filed on	olication or P	CT international	application n	umber		
The above-identifie	d application was r	nade or auth	orized to be mad	e by me.			
I believe that I am t	he original invento	r or an origin	nal joint inventor	of a claimed	invention in the	applicatio	n.
WHEREAS, TO	YOTA JIDOSHA K	(ABUSHIKI	I KAISHA and T	okyo Metropo	olitan Universit	у	
(hereinafter referre 471-8571 Japan an jointly acquiring in that may be granted	d 2-3-1, Nishi-shir terests in the entire	njyuku, Shin right, title ar	njyuku-ku, Tokyo nd interest in and	o 163-0926, to said inven	Japan, respecti	ively are do	esirous of ters Patent
NOW, THEREI acknowledged, and ASSIGNEES, the fin all foreign countrielevant Internation in and to any and a and in any and all renewals thereof.	ull and exclusive ri ries (including the r al Treaties and Arr Il Letters Patent wh	valuable con ght to the sa ight to claim angements fi tich may be	nsideration, I, by a id invention in the a priority under the from the aforesaid granted therefor	hese presents the United State the terms of the application) in the United	do sell, assign a tes and its territo e International C and the entire ri States and its to	and transfer orial posses Convention ight, title ar erritorial po	r unto said ssions and and other nd interest ossessions
I hereby authoriz and all foreign coun of my entire right successors and assig as the same would l	, title and interest gns, to the full end	nd all of said in and to th of the term t	Letters Patent, w ne same, for the for which said L	hen granted, t sole use and etters Patent r	to said ASSIGN behoof of said may be granted,	EES as the ASSIGNI	assignees EES, their
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I hereby acknow by fine or imprison	ledge that any will nent of not more th	ful false state ian five (5) y	ement made in th vears, or both.	is declaration	is punishable u	nder 18 U.	S.C. 1001
LEGAL NAME OF	INVENTOR						
Inventor: Kazuki	HIRATA			Date:	November	22, 20	)17
Signature:	Kazuki	HIR	ATA				

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Invention	LANGUAGE STORAGE METHOD AND LANGUAGE DIALOG SYSTEM	
As the below name	d inventor, I hereby declare that:	
This declaration 🗸	The attached application, or	
is directed to:	United States application or PCT international application number	
The above-identifie	d application was made or authorized to be made by me.	
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.	
	YOTA JIDOSHA KABUSHIKI KAISHA and Tokyo Metropolitan University	
471-8571 Japan an jointly acquiring int	d to as "ASSIGNEES") having places of business at: 1, Toyota-cho, Toyota-shi, Aichi-ken, d 2-3-1, Nishi-shinjyuku, Shinjyuku-ku, Tokyo 163-0926, Japan, respectively are desirous of terests in the entire right, title and interest in and to said invention and in and to any Letters Patent therefore in the United States and its territorial possessions and in any and all foreign countries;	
acknowledged, and ASSIGNEES, the fi in all foreign countr relevant Internation in and to any and al	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said all and exclusive right to the said invention in the United States and its territorial possessions and its (including the right to claim priority under the terms of the International Convention and other all Treaties and Arrangements from the aforesaid application) and the entire right, title and interest I Letters Patent which may be granted therefor in the United States and its territorial possessions foreign countries and in and to any and all divisions, reissues, continuations, substitutions and	
and all foreign coun of my entire right, successors and assig	the and request the Patent Office Officials in the United States and its territorial possessions and any tries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignees at title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their gas, to the full end of the term for which said Letters Patent may be granted, as fully and entirely have been held by me had this Assignment and sale not been made.	
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I hereby acknow by fine or imprisonr	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.	
LEGAL NAME OF	INVENTOR	
Inventor: Tomoya	Colonia - Total	
Signature: 70	moya Jokalan	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 044325 FRAME: 0331

**RECORDED: 12/07/2017**