#### 503420770 08/03/2015

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3467404

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SHINJI OGATA	07/15/2015
HIROYUKI OHARA	07/15/2015
HIROYUKI INATSUKA	07/15/2015
TATSUYA YUBA	07/16/2015

#### **RECEIVING PARTY DATA**

Name:	ZENRIN CO., LTD.
Street Address:	1-1, MUROMACHI 1-CHOME, KOKURAKITA-KU
City:	KITAKYUSHU-SHI, FUKUOKA
State/Country:	JAPAN
Postal Code:	803-8630

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

Property Type	Number
Application Number:	14815645

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)413-2220

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**Phone:** (703) 413-3000

**Email:** ystankich@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	452298US8
NAME OF SUBMITTER:	YURIKO STANKICH
SIGNATURE:	/Yuriko Stankich/
DATE SIGNED:	08/03/2015

#### **Total Attachments: 4**

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PATENT 503420770 REEL: 036240 FRAME: 0655

source=452298US-assignment#page4.tif

Title of Invention	LOCATION CALCULATION SYSTEM AND NON-TRANSITORY COMPUTER-READABLE MEDIUM
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	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.
Kitakyushu-shi, Fuinvention and in a	NRIN Co., LTD.  Id to as "ASSIGNEE") having places of business at: 1-1, Muromachi 1-chome, Kokurakita-ku, kuoka 803-8630 Japan, is desirous of acquiring the entire right, title and interest in and to said and to any Letters Patent that may be granted therefore in the United States and its territorial any and all foreign countries;
acknowledged, and said ASSIGNEE, the and in all foreign or other relevant Inter- interest in and to 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 ne full and exclusive right to the said invention in the United States and its territorial possessions puntries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and my and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.
any and all foreign assignee of my enti (his) successors and	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the re right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.
respecting said inv continuation, substi all of said Letters possible to aid said	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me vention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, tute, renewal and reissue applications, execute all necessary assignment papers to cause any and Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said ited States and its territorial possessions and in any and all foreign countries.
	ledge 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: Shinji C	Ogata Date: July 15, 2015
Signature:	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

Invention	COMPUTER-READABLE MEDIUM
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.
Kitakyushu-shi, Fu invention and in a	NRIN Co., LTD.  d to as "ASSIGNEE") having places of business at: 1-1, Muromachi 1-chome, Kokurakita-ku, kuoka 803-8630 Japan, is desirous of acquiring the entire right, title and interest in and to said not to any Letters Patent that may be granted therefore in the United States and its territorial any and all foreign countries;
acknowledged, and said ASSIGNEE, the and in all foreign conter relevant Inter- interest in and to 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 be full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and my and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.
any and all foreign assignee of my enti (his) successors and	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the re right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.
Further, I agree that I will communicate to said ASSIGNEE or its (his) 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 ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) 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.	
	ledge 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: Hiroyuk	ti Ohara Date: July 15, 2015
Signature: Mino	yuhi Ohana

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
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Title of Invention	LOCATION CALCULATION SYSTEM AND NON-TRANSITORY COMPUTER-READABLE MEDIUM
As the below name	d inventor, I hereby declare that:
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	redge 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	FINVENTOR
Inventor: Hiroyul	ki Inatsuka Date: July 15, 2015
Signature:	oyuk.' Inarruka

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
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	LOCATION CALCULATION SYSTEM AND NON-TRANSITORY COMPUTER-READABLE MEDIUM
As the below named	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-identified	application was made or authorized to be made by me.
I believe that I am th	e original inventor or an original joint inventor of a claimed invention in the application.
Kitakyushu-shi, Fuk invention and in an possessions and in a	to as "ASSIGNEE") having places of business at: 1-1, Muromachi 1-chome, Kokurakita-ku, uoka 803-8630 Japan, is desirous of acquiring the entire right, title and interest in and to said d to any Letters Patent that may be granted therefore in the United States and its territorial ny and all foreign countries;
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any and all foreign assignee of my entir (his) successors and	the and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the re right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its assigns, to the full end of the term for which said Letters Patent may be granted, as fully and would have been held by me had this Assignment and sale not been made.
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I hereby acknowl by fine or imprisonn	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: Tatsuya	Yuba Date: July 16 2015
Signature:	Junga Fr

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 036240 FRAME: 0660

**RECORDED: 08/03/2015**