

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3967854

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the INCORRECT DOCUMENT THAT WAS INADVERTENTLY SUBMITTED FOR ASSIGNMENT previously recorded on Reel 031845 Frame 0932. Assignor(s) hereby confirms the ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TAKANORI SHIMOMURA	12/09/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	YOKOGAWA ELECTRIC CORPORATION
<b>Street Address:</b>	9-32, NAKACHO 2-CHOME
<b>City:</b>	MUSASHINO-SHI
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	180-8750
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14129215
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)293-7860
<i>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.</i>	
<b>Phone:</b>	2022937060
<b>Email:</b>	sughrue@sughrue.com, sreynolds@sughrue.com
<b>Correspondent Name:</b>	SUGHRUE MION, PLLC
<b>Address Line 1:</b>	2100 PENNSYLVANIA AVENUE NW
<b>Address Line 2:</b>	SUITE 800
<b>Address Line 4:</b>	WASHINGTON, D.C. 20037
<b>ATTORNEY DOCKET NUMBER:</b>	Q209039
<b>NAME OF SUBMITTER:</b>	SACHIKO REYNOLDS (TEAMS DEPT)
<b>SIGNATURE:</b>	/Sachiko Reynolds (Teams Dept)/
<b>DATE SIGNED:</b>	07/19/2016
<b>Total Attachments: 8</b>	
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**PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2660030

SUBMISSION TYPE:		NEW ASSIGNMENT
NATURE OF CONVEYANCE:		ASSIGNMENT
CONVEYING PARTY DATA		
Name		Execution Date
TAKANORI SHIMOMURA		12/09/2013
RECEIVING PARTY DATA		
Name:	YOKOGAWA ELECTRIC CORPORATION	
Street Address:	9-32, NAKACHO 2-CHOME	
City:	MUSASHINO-SHI, TOKYO	
State/Country:	JAPAN	
Postal Code:	180-8750	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	14129215	
CORRESPONDENCE DATA		
Fax Number:	(202)293-7860	
Phone:	202-293-7060	
Email:	sughrue@sughrue.com, sreynolds@sughrue.com	
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>		
Correspondent Name:	SUGHRUE MION, PLLC	
Address Line 1:	2100 PENNSYLVANIA AVE. NW	
Address Line 2:	SUITE 800	
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20037-3213	
ATTORNEY DOCKET NUMBER:	Q209039	
NAME OF SUBMITTER:	SACHIKO REYNOLDS (TEAMS DEPT.)	
Signature:	/Sachiko Reynolds/ Teams Dept.	
Date:	12/24/2013	

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This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 3**

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ASSIGNMENT WITH DECLARATION FOR PATENT APPLICATION (37 CFR 1.63)

특허 출원 관련 양도 및 선언 (연방규칙집 제 37 조 1.63 항)

Korean Language Assignment with Declaration

이하 양도인으로 지칭되는 하기 서명 발명자인 본인(들)은 아래에 명시된 출원에서 서술한 특정 개선을 발명하였으므로 그리고

에 소개한 \_\_\_\_\_ (양수인)는(은) 출원 및 발명의 그리고 이에 따라 획득될 일체의 미국 특허에 대한 모든 권리, 소유권 및 이권을 획득하기를 원하므로,

이제 대가를 위한 그 수령을 인정합니다.

상기 양도인인 본인(들)은 상기 명칭의 양수인, 그 승계자 및 그 양수인에게 모든 분할과 그 연속을 포함하여 미국 용으로 공개된 출원과 발명 그리고 그에 대해 승인될 수 있는 미국의 모든 특허증서와 미합중국 코드 제 35 장 제 119 항에 의거한 우선권 청구권을 포함한 모든 그 재발행에 대한 전체 권리, 소유권 및 이권을 판매, 양도 및 이전하며 그리고 본인(들)은 출원서에 제시된 발명에 대해 승인된 일체의 특허증서를 양수인, 그 승계자 또는 그 양수인에게 발급하도록 미국 특허청장에게 요청하는 바이며 또한 본인(들)은 양수인의 요청할 경우 미국 출원과 관련하여 양수인이 필요하다고 생각하는 모든 서류를 더 이상의 보수 없이 서명날인할 것입니다.

(공인은 기록을 위해 요구되지는 않지만 미합중국 코드 제 35 장 제 261 항에 의거 서명날인에 대한 일종의 증거입니다)

본인은 아래 성명의 발명자로서 다음과 같이 선언합니다.

본 양도 및 선언서는 다음 사항을 위한 것입니다:

- 첨부 출원 또는
- 미합중국 출원 또는 PCT 국제출원 번호: \_\_\_\_\_ 출원일: \_\_\_\_\_

본 출원의 제목은 다음과 같습니다:

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, SAMSUNG TECHWIN CO., LTD. of 28 Sungju-dong, Changwon-city, Kyongsangnam-do, Republic of Korea, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 USC 119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

(Legalization not required for recording but is prima facie evidence of execution under 35 USC 261)

As the below named inventor, I hereby declare that:

This assignment with declaration is directed to:

- The attached application, or
- United States Application or PCT International Application Number \_\_\_\_\_ filed on \_\_\_\_\_

The application is entitled:

PANORAMIC SCAN RADAR AND PANORAMIC LASER  
SCANNING METHOD

Korean Language Assignment with Declaration

위에 표시된 출원은 본인이 신청하였거나 또는 신청하도록 허가를 받았습니니다.

The above identified application was made or was authorized to be made by me.

본인은, 본인이 본 출원에서 청구된 발명의 원 발명자 또는 원 공동 발명자라고 믿습니다.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

본인은 본 양도 및 선언서 제출과 관련된 출원의 내용을 검토하였으며 아울러 이해합니다.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

본인은 연방 규정 코드 제 37장 제 1.56항에 규정된 바에 따라, 특허성의 판단에 중요한본인이 아는 모든 정보를 특허청에 공개할 의무가 있음을 알고 있습니다.

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.

본 양도 및 선언서 내에 의도적 허위 진술이 있을 경우 미합중국 코드 제 18 장의 1001 항에 의거 벌금이나 5년 이하의 징역 또는 두 가지 처벌을 모두 받을 수 있음을 인정합니다.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

해당관청의 특허출원 공개 허용 권한

Authorization To Permit Access To Application by Participating Office

[X] 이 칸에 표시한 경우, 하기의 서명자는 상기 언급된 출원에 대해 우선권을 주장하는 외국 특허청구 사항이 출원되어 있는 유럽특허청(EPO), 일본특허청(JPO), 한국특허청(KIPO), 세계지적재산기구(WIPO) 및 기타 특허청들에게 상기 언급된 특허출원 정보를 공개할지 여부를 결정할 권한을 미국특허청(USPTO)에 허여합니다. 연방규정 코드 제 37 장 제 1.14(c)항과 (h)항을 참조하십시오. 만약상기 출원자가 상기 언급된 출원에 대해 우선권을 주장하는 외국 특허청구 사항이 출원되어 있는 EPO, JPO, KIPO, 또는 기타 특허청들이 본 특허출원 내용을 열람하는 것을 원하지 않는다면 이 칸에 표시하지 않습니다.

[X] If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

연방규정 코드 제 37 장 제 1.14(h)(3)항에 따라, 다음의 경우에 한해 출원된 내용의 사본을 열람할 수 있습니다: 1) 상기 언급된 특허출원, 2) 미합중국 코드 제 35 장 119(a)(d)항에 따라 상기 언급된 특허출원이 우선권을 주장하는 대상인 기타 외국 특허출원으로, 그 외국 특허출원 사본이 연방규정 코드 제 37 장 제 1.55 항의 사본 증명 요건에 부합되며, 상기 언급된 특허출원에 이미 출원되어 있는 경우, 3) 상기 언급된 특허출원이 부수적인 이익을 주장하고자 하는 대상인 기타 미국 특허출원.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified patent application-as-filed, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application, and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

연방규정 코드 제 37 장 제 1.14(c)항에 따라, "해당관청의 특허출원 공개 허용 권한" 서류 제출일자에 관한 정보를 입수할 수 있습니다.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR §1.69(b):

The assignment with declaration is an accurate translation of the corresponding English language assignment with declaration.

Signature: [Handwritten Signature]
Date: 8/30/2012

NAME OF SOLE OR FIRST INVENTOR:

단독 혹은 최초 발명자의 성명

Given Name (first and middle [if any])

이름(성씨를 제외)

Jae Hyung

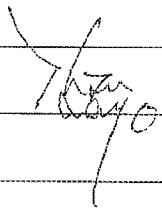
Family Name or Surname

성(姓)

KIM

Inventor's signature

발명자의 서명



Date  
일자

15 October 2013

Residence:

거주지:

Changwon-city, Republic of Korea

Mailing Address:

우편 주소:

c/o Samsung Techwin Co., Ltd., 28 Sungju-dong, Changwon-city, Kyongsangnam-do, Republic of Korea

# ASSIGNMENT WITH DECLARATION FOR PATENT APPLICATION (37 CFR 1.63)

## 特許出願宣言書付き譲渡書(37 CFR 1.63)

### Japanese Language Assignment with Declaration

下記に署名した発明者であり、以下に譲渡人と称される私（我々）は、下記の出願に記載された改良に関する発明をし、

の（譲受人）は、本件出願および本件発明、ならびに当該出願から得られるいかなる米国特許に関する全ての権利、権原、および利益の取得を要求します。

よって、価値ある対価の受領をここに確認し、

上で譲渡人として指名された私（我々）は、米国における本件出願およびその発明開示、全ての分割出願および継続出願、これら出願について許可された米国特許証および全ての再発行特許に関する全ての権利（35 USC 119 に基づく優先権を主張する権利を含む）、権原、および利益を、上で指定した譲受人、その承継人ないし権利承継者に売却、譲渡、移転するとともに、私（我々）は米国特許商標庁長官に対し、本件出願に記載の発明に対する特許証を、譲受人、その承継人ないし権利承継者に発行することを要請し、私（我々）は、これ以上の対価なしに、譲受人の求めにより、本件米国特許出願に関して譲受人が必要とみなす全ての書類を作成します。

(公証人による認証は不要であるが、これらの書類は、35 USC 261 に基づく推定された証拠となる)

私は、下記に記載の発明者として、以下の通り宣言します。

本宣言付き譲渡書は、以下に關します。

- 添付の出願書、または、
- 年 月 日に 出願された米国出願あるいは PCT 国際出願番号 (確認番号 )

本件出願の名称は、以下の通りです。

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, YOKOGAWA ELECTRIC CORPORATION of 2-32, Nakasubo 2-chome, Musashino-shi, Tokyo, 180-8750, Japan, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 USC 119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

(Legalization not required for recording but is prima facie evidence of execution under 35 USC 261)

As the below named inventor, I hereby declare that:

This assignment with declaration is directed to:

- The attached application, or
- United States Application or PCT International Application  
Number PCT/JP2013/065419 filed on June 4, 2013  
(Confirmation No. \_\_\_\_\_).

The application is entitled:

NETWORK MANAGEMENT SYSTEM



Japanese Language Assignment with Declaration

上記に明示された出願は、私が作成した、または作成を許可したものです。

The above identified application was made or was authorized to be made by me.

私は、本件出願において請求項に記載された発明の本来の発明者、または、本来の共同発明者であると信じています。

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

私は、本宣言付き譲渡書 の提出に関わる本件出願の内容を検討し、理解しています。

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

私は、37 CFR 1.56 に定義されるように、自身が知る全ての特許性に関する重要な情報を、米国特許商標庁に開示する義務があることを認識しています。

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.

私は、本宣言付き譲渡書において故意に虚偽の供述を行った場合、18 USC 1001 に基づき、罰金あるいは5年以下の懲役、または両方による処罰の対象となることを認識しています。

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

参加管轄官庁に対する出願へのアクセス許可

Authorization To Permit Access To Application by Participating Office

印を付けた場合、下記の署名者は本書をもって、米国特許商標庁が、ヨーロッパ特許庁 (EPO)、日本特許庁 (JPO)、韓国知的所有権庁 (KIPO)、世界知的所有権機関 (WIPO)、および上記の出願に基づく優先権を主張する外国出願が提出されたその他の知的所有権管轄官庁に、上記の特許出願へのアクセス権を付与することを許可します。37 CFR 1.14(c)および(h)を参照。出願人が、EPO、JPO、KIPO、または上記の出願に基づく優先権を主張する外国出願が提出されたその他の知的所有権管轄官庁に対して、上記の出願へのアクセス権を付与することを希望しない場合には、この欄には印を付けないでください。

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

下記の署名者は、37 CFR 1.14(h)(3)に従い、1) 上記の出願時の特許出願、2) 35 USC 119(a)~(d)に従って、上記出願が優先権を主張するいずれの外国出願、(37 CFR 1.55 の認証原本の要件を満たす外国出願の写しが上記の特許出願で提出された場合)、ならびに3) 上記の特許出願について、それによる利益を享受するいずれの出願時の米国出願に関して、出願時の出願書の写しへのアクセス権を付与します。

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified patent application-as-filed, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application, and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

下記の署名者は、37 CFR 1.14(c)に従い、参加管轄官庁に対する出願へのアクセス許可の提出日に関する情報へのアクセス権を付与します。

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):

The assignment with declaration is an accurate translation of the corresponding English language assignment with declaration.

Signature

Date

9/28/2012

NAME OF SOLE OR FIRST INVENTOR: 唯一あるいは第一の発明者名		
Given Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合])	Takanori	Family Name or Surname 姓 SHIMOMURA
Inventor's signature 発明者の署名	Takanori Shimomura	Date 日付 12/9/2013
Residence: 住所: Musashino-shi, Tokyo, Japan		
Mailing Address: 郵送先: c/o Yokogawa Electric Corporation, 9-32, Nakacho 2-chome, Musashino-shi, Tokyo 180-8750, Japan		
NAME OF SECOND INVENTOR: 第二の発明者名:		
Given Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合])		Family Name or Surname 姓
Inventor's signature 発明者の署名		Date 日付
Residence: 住所:		
Mailing Address: 郵送先:		
NAME OF THIRD INVENTOR: 第三の発明者名:		
Given Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合])		Family Name or Surname 姓
Inventor's signature 発明者の署名		Date 日付
Residence: 住所:		
Mailing Address: 郵送先:		
NAME OF FOURTH INVENTOR: 第四の発明者名:		
Given Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合])		Family Name or Surname 姓
Inventor's signature 発明者の署名		Date 日付
Residence: 住所:		
Mailing Address: 郵送先:		
NAME OF FIFTH INVENTOR: 第五の発明者名:		
Given Name (first and middle [if any]) 名 (名およびミドルネーム[該当する場合])		Family Name or Surname 姓
Inventor's signature 発明者の署名		Date 日付
Residence: 住所:		
Mailing Address: 郵送先:		