504604592 10/20/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4651304

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAE IK LEE	09/27/2017
WON SANG YOO	10/11/2017
KWANG MO KIM	10/18/2017
SUNG TAE KANG	09/28/2017
TAE HYUN LEE	09/27/2017

RECEIVING PARTY DATA

Name:	LS CABLE & SYSTEM LTD.
Street Address:	127 LS-RO, DONGAN-GU
City:	ANYANG-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	14119

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15568349

CORRESPONDENCE DATA

Fax Number: (703)935-8473

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: 571-313-7556
Email: mail@paratus.law

Correspondent Name: PARATUS LAW GROUP, PLLC

Address Line 1: 1765 GREENSBORO STATION PLACE

Address Line 2: SUITE 320

Address Line 4: TYSONS CORNER, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	573-0064
NAME OF SUBMITTER:	LENNY R. JIANG
SIGNATURE:	/Lenny R. Jiang/
DATE SIGNED:	10/20/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 4592 REEL: 043916 FRAME: 0321

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Total Attachments: 10 source=03_573-0064_ExecutedDecAssignments#page1.tif source=03_573-0064_ExecutedDecAssignments#page2.tif source=03_573-0064_ExecutedDecAssignments#page3.tif source=03_573-0064_ExecutedDecAssignments#page4.tif source=03_573-0064_ExecutedDecAssignments#page5.tif source=03_573-0064_ExecutedDecAssignments#page6.tif source=03_573-0064_ExecutedDecAssignments#page7.tif source=03_573-0064_ExecutedDecAssignments#page8.tif source=03_573-0064_ExecutedDecAssignments#page9.tif source=03_573-0064_ExecutedDecAssignments#page9.tif source=03_573-0064_ExecutedDecAssignments#page10.tif

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	POWER CABLE
As the below name	d inventor, I hereby declare that:
This declaration is directed to:	The attached application, or
	United States application or PCT international Application number <u>PCT/KR2016/004669</u> filed on <u>May 3, 2016</u> .
The above-identifie	ed application was made or authorized to be made by me.
I believe that I am application.	the original inventor or an original joint inventor of a claimed invention in the
as ASSIGNEE), is disclosing the inve	CABLE & SYSTEM LTD. with offices at 1-gu, Anyang-si, Gyeonggi-do 14119, Republic of Korea; (hereinafter referred to desirous of acquiring all interest in, to and under said invention, said application notion and in, to and under any Letters Patent or similar legal protection which refor 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;	

Signature: ____

Client Ref. No.: OPP-2016-0050-WO-US

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 reissue 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.

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.

LEGAL NAME OF INVENTOR			
Inventor: <u>LEE, Jae Ik</u>	Date:	2017. 09. 27	
- AOIL			

1 page / 2 pages

PTO/AIA/01 (06-12) (MODIFIED) Attorney Docket No.: 573-0064 Client Ref. No.: OPP-2016-0050-WO-US

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	POWER CABLE
As the below name	d inventor, I hereby declare that:
This declaration is directed to:	The attached application, or
⊠	United States application or PCT international Application number <u>PCT/KR2016/004669</u> filed on <u>May 3, 2016</u> .
The above-identifie	ed application was made or authorized to be made by me.
I believe that I am application.	the original inventor or an original joint inventor of a claimed invention in the
127 LS-ro, Dongar as ASSIGNEE), is disclosing the inve	CABLE & SYSTEM LTD. , with offices at 1-gu, Anyang-si, Gyeonggi-do 14119, Republic of Korea; (hereinafter referred to desirous of acquiring all interest in, to and under said invention, said application into and in, to and under any Letters Patent or similar legal protection which refor 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;	

Paratus Law Group, PLLC

1768 Greenshore Station Pt., Suite 320 Tysons Corner, VA 22102 Tel: (571) 313-7556 | Fax: (703) 935-8473

2 page / 2 pages

PTO/AIA/01 (06-12) (MODIFIED) Attorney Docket No.: 573-0064 Client Ref. No.: OPP-2016-0050-WO-US

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 reissue 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;

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z.	4.1.1.7	.			T T 1221 T 1	

Inventor: YOO, Won Sang Date: >0/1. /0. 11

Signature:

Paratus Law Group, PLLC

1765 Greensbore Station Pt., Suite 328 Tysons Corner, VA 22102 Tel: (571) 313-7556 | Fun: (703) 935-8473

PTO/AIA/01 (06-12) (MODIFIED) Attorney Docket No.: 573-0064 Client Ref. No.: OPP-2016-0050-WO-US

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	POWER CABLE		
This declaration is directed to:	I inventor, I hereby declare that: The attached application, or United States application or PCT Application number PCT/KR2016		
The above-identifie	I application was made or authoriz	red to be made by me.	
application.	the original inventor or an original transfer of the original transfer or the original transfer origin		ention in the
127 LS-ro, Dongan as ASSIGNEE), is disclosing the inve	gu, Anyang-si, Gyeonggi-do 141 lesirous of acquiring all interest in ition and in, to and under any Le efor in the United States and in an	<u>19. Republic of Korea;</u> (hereinafte 1, to and under said invention, said tters Patent or similar legal prote	er referred to d application
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;			

Paratus Law Group, PLLC 1765 Greenshoro Station Pl., Suite 320 Iyssus Corner, Vá 22192 Tel: (571) 313-7556 [Fax: (703) 935-8473 2 page / 2 pages

PTO/AIA/01 (06-12) (MODIFIED) Attorney Docket No.: 573-0064 Client Ref. No.: OPP-2016-0050-WO-US

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 reissue 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;

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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.

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

LEGAL NAME	OFIN	AFF	ЮК
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Inventor: KIM, Kwang Mo Date: 18 1/2" 20/1

Signature:

Paratus Law Group, PLLC 1765 Greenshore Station PL, Suite 320 Tysons Comes, VA 22102 Tel: (571) 313-7556 | Fax: (703) 935-8473

DECLARATION (37 CFR L63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR L76) AND ASSIGNMENT FOR SINGLE ASSIGNEE.

Title of Invention	POWER CABLE
As the below name	ed inventor, I hereby declare that:
This declaration is directed to:] The attached application, or
Z	United States application or PCT international Application number <u>PCT/KR2016/004669</u> filed on <u>May 3, 2016</u> .
The above-identifi	ed application was made or authorized to be made by me.
I believe that I an application	i the original inventor or an original joint inventor of a claimed invention in the
as ASSIGNEE), e disclosing the inv	CABLE & SYSTEM LTD. n-gu, Anyang-si, Gyeonggi-do 14119, Republic of Korea; thereinafter referred to desirous of acquiring all interest in, to and under said invention, said application ention and in, to and under any Letters Patent or similar legal protection which crofor 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 assignce of the whole right, title and interest thereto;	

Paratus Law Group, PLLC 1763 Greenshore Station PL State 230 Tyrion Corner, VS 22162 Tric (ST) 323-7556 [Fgs. (703) 928-8473

Z page / 2 pages

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 remoneration, 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;

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LEGAL NAME OF INVENTOR	
Inventor: KANG Sung Tue	Date: >=77 + 4 . 1 . 1
Signature: 7:7:5%	

Paratus Law Group, PLLC 1765 Greenberg Station Pt., Same 520 Tycom Carter, VA 12491 Tel: (571) 143-7556 (Na., (593) 935-845)

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

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As the below named inventor, I hereby declare that:				
This declaration is directed to:	The attached application, or			
	United States application or PCT international Application number PCT/KR2016/004669 filed on May 3, 2016.			
The above-identified 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.				
WHEREAS, LS CABLE & SYSTEM LTD. , with offices at 127 LS-ro, Dongan-gu, Anyang-si, Gyeonggi-do 14119, Republic of Korea; (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;				

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PTO/AIA/01 (06-12) (MODIFIED) Attorney Docket No.: 573-0064

Client Ref. No.: OPP-2016-0050-WO-US

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LEGAL.	NAME	OFIN	VENTOR

Inventor: LEE, Tae Hyun Date: 3017. 9.37

Signature: THE 199

Paratus Law Group, PLLC

1765 Greensborp Station PL, Suite 329 Typobs Corner, VA 22102 Teb (571) 313-7556 [Franc(703) 938-8473