505771319 11/13/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5818135

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOUNG-HOON MOON	11/11/2019
SANGWOOK HAN	11/11/2019
TAEWOO HWANG	11/11/2019
YOUNGYUN WOO	11/11/2019
ILYEONG OH	11/11/2019

RECEIVING PARTY DATA

Name:	PUSAN NATIONAL UNIVERSITY INDUSTRY-UNIVERSITY COOPERATION FOUNDATION
Street Address:	(PUSAN NATIONAL UNIVERSITY, JANGJEON-DONG) 2, BUSANDAEHAK-RO 63BEON-GIL, GEUMJEONG-GU
City:	BUSAN
State/Country:	KOREA, REPUBLIC OF
Postal Code:	46241

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	16682364		

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:	540-0096
NAME OF SUBMITTER:	MIHARU SCULLY
SIGNATURE:	/Miharu Scully/
DATE SIGNED:	11/13/2019

PATENT REEL: 050996 FRAME: 0538

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s document serves as an Oath/Declaration (37 CFR 1.63).					
Total Attachments: 10					
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PATENT REEL: 050996 FRAME: 0539

Title of Invention	DOUBLE TUBE WITH PETAL SHAPE AND METHOD OF MANUFACTURING THE SAME
As the below nan	ed inventor, I hereby declare that:
This declaration is directed to:	
	The attached application, or
	United States application or PCT international Application numberfiled on
	Application named in the on
The above-identif	ied application was made or authorized to be made by me.
I believe that I ar application.	n the original inventor or an original joint inventor of a claimed invention in the
offices at (Pusan gu, Busan, 4624 acquiring all inter to and under any	an National University Industry-University Cooperation Foundation, with National University, Jangjeon-dong) 2. Busandaehak-ro 63beon-gil, Geumjeong-l. Republic of Korea (hereinafter referred to as ASSIGNEE), is desirous of est in, to and under said invention, said application disclosing the invention and in, Letters Patent or similar legal protection which may be granted therefor in the in any and all foreign countries;
valuable consider presents do hereb representatives, the divisions and cont	PRE, in consideration of the sum of One Dollar (\$1.00), and other good and ation, the receipt and sufficiency of which are hereby acknowledged, I by these y assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and legal he entire right, title and interest in said invention, said application, including any invations thereof, and in and to any and all Letters Patent of the United States, and thereto, which may be granted for said invention, and in and to any and all priority

Paratus Law Group, PLLC

assignee of the whole right, title and interest thereto;

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

1765 Greensboro Station Pl., Suite 320 Tysons Corner, VA 22102 Tel: (571) 313-7556 | Fax: (703) 935-8473

PTO/AIA/01 (06-12) (MODIFIED) Attorney Docket No.: 540-0096 Client Ref. No.: OP14809US

2 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 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.

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Inventor: Moon, Young-Hoon Date: 11. Nov. 2019

Signature: 4/1/ mm

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1765 Greensboro Station PL, Suite 320 Tysons Corner, VA 22102 Tel: (571) 313-7556 | Fax: (703) 935-8473

Title of Invention	DOUBLE TUBE WITH PETAL SHAPE AND METHOD OF MANUFACTURING THE SAME			
As the below named	I inventor, I hereby declare that:			
This declaration is directed to:	The attached application, or			
	United States application or PCT international Application numberfiled on			
The above-identifie	d 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			
WHEREAS, Pusan National University Industry-University Cooperation Foundation, with offices at (Pusan National University, Jangjeon-dong) 2. Busandaehak-ro 63beon-gil, Geumjeong-gu, Busan, 46241, 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				

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Commissioner of Patents to issue said United States Letters Patent to said ASSIGNEE, as the

assignee of the whole right, title and interest thereto;

1765 Greensboro Station PL, Suite 320 Tysons Corner, VA 22102 Tel: (571) 313-7556 | Fax: (703) 935-8473 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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T	FC	AT	NAME	OF	INVENTOR
В.		/ R. H.	1 1 4 1 4 1 4 1 4 1 1 L	4 / 6	BLA A SILIA B A BRE

Date: 11. NOV. 2019 Inventor: HAN, Sangwook

Signature:

Paratus Law Group, PLLC 1765 Greensboro Station Pl., Suite 320 Tysons Corner, VA 22102

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I believe that I am application.	the original inventor or an original joint inventor of a claimed invention in the			
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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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Inventor: HWANG, Taewoo Date: 11. Nov. 2019

Signature:

Paratus Law Group, PLLC

1765 Greensbore Station PL, Suite 320 Tysons Corner, VA 22102 Tel: (571) 313-7556 | Fax: (703) 935-8473

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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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LEGAL NAME	OF	IN	VENTOR	è
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Inventor: WOO, Youngyun Date: 1/ Nov 2019

Signature:

Paratus Law Group, PLLC

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Inventor: OH, Ilveong Date: 11. Nov. 2019

Signature:

Paratus Law Group, PLLC

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> PATENT REEL: 050996 FRAME: 0549

RECORDED: 11/13/2019