04/22/2019 505439360

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5486161

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
SEUNG MO HONG	02/01/2019
HYEON MYEONG SEO	02/01/2019
JONGMIN SHIM	02/01/2019
SANG MOOK KIM	02/01/2019
JUNG HWAN MYUNG	02/01/2019
JUNGHWAN SHIN	02/01/2019

### **RECEIVING PARTY DATA**

Name:	SKC CO., LTD.
Street Address:	84, JANGAN-RO 309BEON-GIL, JANGAN-GU, SUWON-SI
City:	GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16336

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

Property Type	Number
Application Number:	16317408

### **CORRESPONDENCE DATA**

Fax Number: (571)327-5452

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: 5713275450

ipntlaw@ipntlaw.com Email: IP & T GROUP LLP **Correspondent Name:** Address Line 1: 8230 LEESBURG PIKE

Address Line 2: SUITE 650

Address Line 4: VIENNA, VIRGINIA 22182

ATTORNEY DOCKET NUMBER:	PCB706034SKC/PCT/US-CH
NAME OF SUBMITTER:	MYUNG SOO KIM
SIGNATURE:	/Myung Soo KIM/
DATE SIGNED:	04/22/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

PAIENI

**REEL: 048959 FRAME: 0320** 505439360

# Total Attachments: 6 source=706034US-ASSIGN#page1.tif source=706034US-ASSIGN#page2.tif source=706034US-ASSIGN#page3.tif source=706034US-ASSIGN#page4.tif source=706034US-ASSIGN#page5.tif

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PATENT REEL: 048959 FRAME: 0321

# ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS	Seung Mo HONG	<u> </u>		, h	ereinafter referred	to
collectively as the ass	ignor and inventor, has	invented a certain i	improvement r	elating to		
AROMATIC	C POLYTHIOL COMP	OUND FOR OPTIC	CAL MATERI	AL		
[ ] said application by [X] said application by January 11, 20 on		United States Paten Application Serial (if applicaber the Patent Cooper	it and Tradema No. <u>16/31'</u> le); ration Treaty o	nk Office on 7,408 n _ July 6, 2017	, and was	amended ,
AND WHEREA	S SKC CO	) LTD.				_
hereinafter referred to application, including	o as the assignee or app g any and all divisions a d therefor, including an	licant, is desirous or and continuations the	ereof, and in a	nd to said invention	on and any and all	to said patents
consideration paid by assigns, sells and trar interest in and to said any and all patents w assignee, and said assignee, and said divisions and col including any and all anywise arising from including any and a assignee's successors	WITNESSETH, that y said assignee to said assignee to said assignee, I application, including which may be granted the signee's successors and intinuations thereof, and renewals, reissues and or appertaining there II renewals, in as amothis assignment had not the sassignment had not the said assignment had not	I assignor, the rece and said assignee's any and all division herefor, including a assigns, to have, ho d the said inventional I prolongations there to, for and during the and prolongations to ple and beneficial	sipt of which is successors and as and continu- iny and all ren- old, exercise are on and any and teof, with all the the term or ter- thereof, for the	s hereby acknownd assigns, the full ations thereof, and ewals, reissues and enjoy the said and patents white rights, powers, ms of any and all e use and benefit	dedged, said assig and exclusive rig d in and to said in d prolongations the application, includ- ich may be granted privileges and ad it such patents whit of said assigne	nor hereby ht, title and vention and hereof; said ing any and ed therefor, vantages in ten granted e, and said
	assignor hereby agrees acts relating to the obta ereof.					
	ssignor authorizes and on any and all division e herewith.					
	e-named inventor, I he t I am the original inve					
	cnowledge that any wil ent of not more than fi			leclaration is pun	ishable under 18 I	J. <b>S.C</b> . 1001
ASSIGNOR (INVEN	NTOR):					
Signature:	Hong		Date:	February 1, 201	19	
Printed or Typed Na	me:	Seung Mo HONG	}			_

Page 1 of 6

# ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS _	Hyeon Myeong SEO_		, her	einafter r	eferred to
collectively as the	assignor and inventor, has invented a	certain improveme	nt relating to		
AROMA	TIC POLYTHIOL COMPOUND FO	R OPTICAL MAT	ERIAL		
[X] said application  January 11, on  [X] the specification	being attached hereto; having been filed in the United Sta 2019, as Applicatio (if on of which was filed under the Pater KR2017/007249, the United State	on Serial No <u>16</u> / applicable); at Cooperation Treat	317,408 , y on <u>July 6, 2017</u>	and v	was amende
AND WHERE	AS SKC CO., LTD.				
hereinafter referred application, includi	to as the assignee or applicant, is do ing any and all divisions and continu- ted therefor, including any and all re	ations thereof, and i	n and to said invention an		
assigns, sells and to see any and all patents assignee, and said all divisions and including any and anywise arising freincluding any and assignee's successed enjoyed the same, and AND said	by said assignee to said assignor, ransfers to said assignee, and said as aid application, including any and all which may be granted therefor, including assignee's successors and assigns, to continuations thereof, and the said all renewals, reissues and prolongatom or appertaining thereto, for and all renewals, reissues and prolongra and assigns, in as ample and be if this assignment had not been made assignor hereby agrees to perform	ssignee's successors I divisions and cont cluding any and all have, hold, exercise invention and any ions thereof, with a during the term or gations thereof, for neficial a manner as:  a, upon the request	and assigns, the full and inuations thereof, and in a renewals, reissues and program and enjoy the said applicand all patents which mill the rights, powers, priviterms of any and all such the use and benefit of the said assignor might of said assignee, or said	exclusive nd to said blongation, sation, ind ay be graded as the patents said assi or could assignee'	right, title ar d invention ar ns thereof; sa cluding any ar ranted therefo d advantages when grante ignee, and sa have held ar
assigns, any and al and prolongations	I acts relating to the obtaining or to thereof.	the asserting of sai	d patents, including any a	nd all rer	newals, reissu
	assignor authorizes and requests the ad on any and all divisions and contact the area and contact the area are area.				
	ove-named inventor, I hereby declar hat I am the original inventor or an o				
	acknowledge that any willful false sument of not more than five (5) years		is declaration is punishab	le under	18 U.S.C. 100
ASSIGNOR (INV.	ENTOR):				
Signature:	K-1 32.03	Date:	February 1, 2019		
Printed or Typed N	vame: Hyeon M	veong SEO			
- L					

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# ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS	Jongmin SHIM		, hereinai	iter referred to	
collectively as the assi	gnor and inventor, has invented	l a certain improvemen	t relating to		
AROMATIC	POLYTHIOL COMPOUND F	OR OPTICAL MATE	RIAL		
January 11, 20 on	ving been filed in the United S	tion Serial No. <u>16/3</u> if applicable); ent Cooperation Treaty	17,408 , on <u>July 6, 2017</u>	and was	amended
AND WHEREAS	SKC CO., LTD.				
hereinafter referred to application, including	as the assignee or applicant, is any and all divisions and contin therefor, including any and all	nuations thereof, and in	and to said invention ar		
consideration paid by assigns, sells and trans interest in and to said any and all patents whas signee, and said assignee, and said assignee any and all anywise arising from including any and all assignee's successors.	WITNESSETH, that for and said assignee to said assignee, and said application, including any and aich may be granted therefor, ignee's successors and assigns, innuations thereof, and the sairenewals, reissues and prolong or appertaining thereto, for an renewals, reissues and prolong and assigns, in as ample and lis assignment had not been ma	r, the receipt of which assignee's successors a all divisions and continuously and all moteration and any attention and any attention and any attentions thereof, with all during the term or the angations thereof, for peneficial a manner as	is hereby acknowledge and assigns, the full and auations thereof, and in enewals, reissues and primard enjoy the said appliand all patents which is the rights, powers, priverms of any and all such the use and benefit of	ed, said assign exclusive right and to said involongations the cation, including may be grante rileges and advict patents who said assignee	nor hereby nt, title and rention and sereof; said ng any and d therefor, vantages in en granted, t, and said
	signor hereby agrees to perfor ts relating to the obtaining or eof.				
	signor authorizes and requests on any and all divisions and co herewith.				
	named inventor, I hereby decl I am the original inventor or an				
	nowledge that any willful false nt of not more than five (5) yea		declaration is punishab	ole under 18 U	.S.C. 1001
ASSIGNOR (INVEN	TOR):				
Signature:	W-	Date:	February 1, 2019		<del></del>
Printed or Typed Nam	e; Jongmi	n SHIM			

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# ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Sang Mook KIM , hereinafter referred to
collectively as the assignor and inventor, has invented a certain improvement relating to
AROMATIC POLYTHIOL COMPOUND FOR OPTICAL MATERIAL ,
[ ] said application being attached hereto; [X] said application having been filed in the United States Patent and Trademark Office on
AND WHEREAS SKC CO., LTD.
hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;
NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.
AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.
As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application.
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.
ASSIGNOR (INVENTOR):
Signature: Date: February 1, 2019
Printed or Typed Name: Sang Mook KIM

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# ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

, hereinafter referred to
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, and was amended
e and interest in and to said tion and any and all patents eof;
, and other good and valuable whedged, said assignor hereby all and exclusive right, title and nd in and to said invention and and prolongations thereof; said application, including any and hich may be granted therefor, privileges and advantages in all such patents when granted efft of said assignee, and said might or could have held and
or said assignee's successors or g any and all renewals, reissue
narks to issue Letters Patent or I said assignee's successors and
was made or authorized to be nation in the application.
inishable under 18 U.S.C. 100
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# ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS	Junghwan SHIN	, hereinafter referred to
collectively as the assig	gnor and inventor, has invented a certain improvem	ent relating to
AROMATIC	POLYTHIOL COMPOUND FOR OPTICAL MAT	TERIAL ,
January 11, 20 on	ing attached hereto; ving been filed in the United States Patent and Trace  19, as Application Serial No(if applicable); f which was filed under the Patent Cooperation Tree 2017/007249, the United States of America beir	5/317,408 , and was amended aty on <u>July 6, 2017</u> ,
AND WHEREAS	SKC CO., LTD.	
hereinafter referred to application, including a	as the assignee or applicant, is desirous of acquiring any and all divisions and continuations thereof, and therefor, including any and all renewals, reissues ar	in and to said invention and any and all patents
consideration paid by assigns, sells and trans interest in and to said any and all patents whassignee, and said assignee, and said assigneluding any and all anywise arising from including any and all assignee's successors assignee's successors as	said assignee to said assignor, the receipt of whaters to said assignee, and said assignee's successor application, including any and all divisions and contich may be granted therefor, including any and all gnee's successors and assigns, to have, hold, exerciminations thereof, and the said invention and an renewals, reissues and prolongations thereof, with or appertaining thereto, for and during the term of renewals, reissues and prolongations thereof, for	One Dollar (\$1.00), and other good and valuable ich is hereby acknowledged, said assignor hereby is and assigns, the full and exclusive right, title and tinuations thereof, and in and to said invention and it renewals, reissues and prolongations thereof; said see and enjoy the said application, including any and y and all patents which may be granted therefor all the rights, powers, privileges and advantages in terms of any and all such patents when granted or the use and benefit of said assignee, and said as the said assignor might or could have held and
	ts relating to the obtaining or to the asserting of sa	t of said assignee, or said assignee's successors or iid patents, including any and all renewals, reissue:
	on any and all divisions and continuations thereof,	f Patents and Trademarks to issue Letters Patent or to said assignee, and said assignee's successors and
	named inventor, I hereby declare that the above-in am the original inventor or an original joint invent	dentified application was made or authorized to be or of a claimed invention in the application.
	nowledge that any willful false statement made in to not more than five (5) years, or both.	his declaration is punishable under 18 U.S.C. 100
ASSIGNOR (INVEN	TOR):	
Signature:	Date:	February 1, 2019
Printed or Typed Nam	e: Junghwan SHIN	

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PATENT REEL: 048959 FRAME: 0327