### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6765413

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JAE IN AHN	05/12/2021
KYUNG HWAN KIM	05/12/2021
SUNG HOON YUN	05/12/2021
JANG WON SEO	05/12/2021
KANG SIK MYUNG	05/12/2021

#### **RECEIVING PARTY DATA**

Name:	SKC SOLMICS CO., LTD.
Street Address:	1043, GYEONGGI-DAERO, PYEONGTAEK-SI
City:	GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	17784

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

Property Type	Number
Application Number:	17349285

### **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

Email: ipntlaw@ipntlaw.com

Correspondent Name: IP & T GROUP LLP

Address Line 1: 8230 LEESBURG PIKE

Address Line 2: SUITE 650

Address Line 4: VIENNA, VIRGINIA 22182

ATTORNEY DOCKET NUMBER:	PCC104024SKL/US-JS
NAME OF SUBMITTER:	KEON WOO PARK
SIGNATURE:	/Keon Woo PARK/
DATE SIGNED:	06/16/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 056564 FRAME: 0452

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### **Total Attachments: 5**

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PATENT REEL: 056564 FRAME: 0453

Attorney Docket No.: PCC104024SKL/US-CH

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

WHEREAS	Jae In AHN	* * * * * * * * * * * * * * * * * * *
collectively as the ass	ignor and inventor, has inve	hereinafter referred to nted a certain improvement relating to
SEMICONDUCTOR	DEVICE USING SAME	METHOD THEREOF AND METHOD FOR PREPARING
[X] said application b	eing attached hereto;	
r 1 care abbitesmon in	aving been filed in the Unite	d States Patent and Trademark Office on
amended on	, as Applicatio	d States Patent and Trademark Office on on Serial No, and was, and was, and was, and was, arent Cooperation Treaty on, of America being designated
[ ] the specification of	f which was filed under the F	Patent Cooperation Treaty on
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AND WHEREAS	SKC solmics (	Co., Ltd. of 1043, Gyeonegi-daero, Pyrongiaek ai Co.
and any and all pate prolongations thereof;	i, including any and all divisions which may be granted	, is desirous of acquiring the entire right, title and interest in sions and continuations thereof, and in and to said invention d therefor, including any and all renewals, reissues and
NOW THIS V valuable consideration assignor hereby assigns and exclusive right, title thereof, and in and to s all renewals, reissues a have, hold, exercise an and the said invention a reissues and prolongati from or appertaining th including any and all re said assignee's successo have held and enjoyed th  AND said assi successors or assigns ar	WITNESSETH, that for and paid by said assignee to said assignee to said as sells and transfers to said a and interest in and to said a said invention and any and a and prolongations thereof, and enjoy the said application and any and all patents which ons thereof, with all the rightereto, for and during the same, if this assignment he same, if this assignment he gnor hereby agrees to perfectly and all notes relations.	in consideration of One Dollar (\$1.00), and other good and assignor, the receipt of which is hereby acknowledged, said assignee, and said assignee's successors and assigns, the full application, including any and all divisions and continuations ill patents which may be granted therefor, including any and aid assignee, and said assignee's successors and assigns, to including any and all divisions and continuations thereof, the may be granted therefor, including any and all renewals, ghts, powers, privileges and advantages in anywise arising term or terms of any and all such patents when granted, gations thereof, for the use and benefit of said assignee, and and beneficial a manner as the said assigner might or could ad not been made.
and an renewals, reissue	s and prolongations thereof.	or to the asserting of said patents, including any
said assignee's successor	s and assigns, in accordance	
As an above-nation authorized to be made be invention in the application of the application of the application in the application in the application of the applicati	amed inventor, I hereby de by me, and that I am the or on.	eclare that the above-identified application was made or riginal inventor or an original joint inventor of a claimed
I hereby acknow U.S.C. 1001 by fine or in	viedge that any willful false aprisonment of not more than	statement made in this declaration is punishable under 18 n five (5) years, or both.
ASSIGNOR (INVENTO)	<b>2</b> 100	
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Signature:		Date: May 12, 2021
		12021.201
Printed or Typed Name: _	Jae In AHN	
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	,	

Page 1 of 5

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

WHEREAS Kyung Hwan KIM	
referred to collectively as the assignor and inventor, has invented a certain improvement relating	_, hereinafter
POLISHING PAD. PREPARATION AUTILOS	ng to
POLISHING PAD, PREPARATION METHOD THEREOF AND METHOD POLICE USING SAME	OR PREPARING
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as Application Serial No.	
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amended on	······································
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and any and all patents which may be granted therefor, including any and all renewa	ls, reissues and
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and enjoyed the same, if this assignment had not been made.	might or could
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successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, and all renewals, reissues and prolongations thereof.	said assignee's
AND said assignor authorizes and requests the Commissioner of Patents and Trader Said assignee's Trader assignee's Trader Said assignee Said assig	
Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignce's successors and assigns, in accordance herewith.	narks to issue
As an above-named inventor, I hereby declare that the above-identified application invention in the application inventor in the application.	
authorized to be made by me, and that I am the original inventor or an original joint inventor inventor.	was made or
I hereby acknowledge that any willful false statement made in this declaration is punish U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both	Lapone & 1.5
U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	able under 18
ASSIGNOR (INVENTOR):	
Signature:	
Date: <u>May 12, 2021</u>	
	<u> </u>
Printed or Typed Name: Kyung Hwan KIM	
	<del></del>

Page 2 of 5

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

WHEREAS Sung Hoon YUN	
referred to collectively as the assignor and inventor, has invented a certain improvement relati	, hereinafter
POLISHING PAD, PREPARATION METHOD, mas invented a certain improvement relati	ng to
POLISHING PAD, PREPARATION METHOD THEREOF AND METHOD FOR SEMICONDUCTOR DEVICE USING SAME	OR PREPARING
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amended on	and was
AND WHEREAS SKC solmies Co. Ltd . 6 1049 G	
and to said application, including any and all divisions and continuations thereof, and in and any and all patents which may be granted therefor, including any and all renewa	le and interest in to said invention ls, reissues and
NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby ack assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and and exclusive right, title and interest in and to said application, including any and all divisions at thereof, and in and to said invention and any and all patents which may be granted therefor, in all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and the said invention and any and all patents which may be granted therefor, including any and the said invention and any and all patents which may be granted therefor, including any are reissues and prolongations thereof, with all the rights, powers, privileges and advantages in a from or appertaining thereto, for and during the term or terms of any and all such patents said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor have held and enjoyed the same, if this assignment had not been made.	assigns, the full assigns, the full assigns, the full and continuations cluding any and and assigns, to mustions thereof, and all renewals, anywise arising when granted, d assignee, and might or could
AND said assignor hereby agrees to perform, upon the request of said assignee, or successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents and all renewals, reissues and prolongations thereof.	, including any
AND said assignor authorizes and requests the Commissioner of Patents and Trader Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee's successors and assigns, in accordance herewith.	l assignee, and
As an above-named inventor, I hereby declare that the above-identified application authorized to be made by me, and that I am the original inventor or an original joint inventor invention in the application.	was made or of a claimed
I hereby acknowledge that any willful false statement made in this declaration is punish U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	able under 18
ASSIGNOR (INVENTOR):	
Signature: Date: <u>May 12, 2021</u>	
Printed or Typed Name: Sung Hoon YUN	

Page 3 of 5

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

WHEREAS Jang Won SEO referred to collectively as the assignor and inventor had been seen as the second inventor had been s	70 W
referred to collectively as the assignor and inventor, has invented a certain improvement re	, hereinafter
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AND WHEREAS SKC solmics Co. 1+d of 1042 S	
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valuable consideration paid by said assignee to said assignor, the receipt of which is hereby assigns, sells and transfers to said assignee, and said assignee and said assign	and other good and
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successors or assigns, any and all acts relating to the obtaining or to the asserting of said assignee, and all renewals, reissues and prolongations thereof.	or said assignee's
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AND said assignor authorizes and requests the Commissioner of Patents and Tr	ademarks to issue
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As an above-named inventor, I hereby declare that the above-identified applical authorized to be made by me, and that I am the original inventor or an original inventor in the original inventor or an original inventor.	tion was access
authorized to be made by me, and that I am the original inventor or an original joint invention in the application.	non was made or
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I hereby acknowledge that any willful false statement made in this declaration is pu U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	mishable under 18
and the state of t	
ASSIGNOR (INVENTOR):	
Signature:	
Signature: Date: May 12, 2021	
rinted on The Lay	
rinted or Typed Name: Jang Won SEO	

Attorney Docket No.: PCC104024SKL/US-CH

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

POLISHING PAD. PREPARATION METHOD THEREOF AND METHOD FOR PREPARING SEMICONDUCTOR DEVICE USING SAME  [X] said application being attached hereto;  [] said application having been filed in the United States Patent and Trademark Office on amended on same of the United States of America being designated.  As a Application for which was filed under the Patent Cooperation Treaty on the United States of America being designated.  AND WHEREAS  SKC solmics Co., Ltd. of 1043, Gwoongei-daero, Pyeongtaek-si, Gyeongei-do 17734, Republic of Korea hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, fittle 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 assignee, and said assignees successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, said assignees, and said assignees accessors 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, said assignees, 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, for the use and beneficial amanner as the said assignee's uncessors and assigns, to assigns, in asmitted t	WHEREAS Kang Sik MYUNG , hereinafter
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AND WHEREAS SKC solmics Co., Ltd. of 1043, Gyeonggi-daero, Pyeongtack-si, Gyeonggi-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 assigner, the receipt of which is hereby acknowledged, said assigner hereby assigns, sells and transfers to said assignee, and said assignes's successors and assigns, the full 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 including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising including any and all renewals, reissues and prolongations thereof, for the use and devantages in anywise arising including any and all renewals, reissues and prolongations thereof, for the use and devantages in anywise arising including any and all renewals, reissues and prolongations thereof, for the use and davantages in anywise arising including any and all renewals, reissues and prolongations thereof, for the use and davantages in anywise arising including any and all renewals, reissues and prolongations thereof, for the proposition of the proposition of the proposition of the	[X] said application being attached hereto;
AND WHEREAS SKC solmics Co., Ltd. of 1043, Gyeonggi-daero, Pyeongtack-si, Gyeonggi-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 assigner, the receipt of which is hereby acknowledged, said assigner hereby assigns, sells and transfers to said assignee, and said assignes's successors and assigns, the full 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 including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising including any and all renewals, reissues and prolongations thereof, for the use and devantages in anywise arising including any and all renewals, reissues and prolongations thereof, for the use and devantages in anywise arising including any and all renewals, reissues and prolongations thereof, for the use and davantages in anywise arising including any and all renewals, reissues and prolongations thereof, for the use and davantages in anywise arising including any and all renewals, reissues and prolongations thereof, for the proposition of the proposition of the proposition of the	amended on (if applicable), and was
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neternature reterred 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 assigne consideration paid by said assignee to said assigner, the receipt of which is hereby acknowledged, said assigner 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 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, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and 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 and prementals, reissues and prolongations and continuations thereof, to said assignee, and all renewals, reissues and prolongations thereof.  AND said assignor authorizes and requests the Commissioner of Patents and Trademark	AND WHEREAS SKC solmics Co., Ltd. of 1043, Gyeonggi-daero, Pyeongtaek-si, Gyeonggi-daero, Pyeongtaek-si, Gyeonggi-
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 assignor, and said assignee's successors and assigns, the full attention and in and to said invention and any and all patents which may be granted therefor, including any and all divisions and continuations 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 and the 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 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 including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and 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 and assignee's successors and assigns, in accordance herewith.  As an above-named inventor, I hereby declare that the above-identified application was made or undorized 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 punishabl	nereinance referred to be the against
and exclusive right, title and interest in and 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 all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to and the said invention and any and all patents which may be granted therefor, including any and all 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, said assignee's successors and assigns, reissues and prolongations thereof, for the use and benefit of said assignee, and 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 eletters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and all assignee's successors and assigns, in accordance herewith.  As an above-named inventor, I hereby declare that the above-identified application was made or nvention in the application.  I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 is not more than five (5) years, or both.  SSIGNOR (INVENTOR):	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;
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue aid assignee's successors and assigns, in accordance herewith.  As an above-named inventor, I hereby declare that the above-identified application was made or nivention 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.  SSIGNOR (INVENTOR):  Date: May 12, 2021	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 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 including any and all renewals, reissues and prolongations thereof, for and during the term or terms of any and all such patents when granted, 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.
As an above-named inventor, I hereby declare that the above-identified application was made or nuthorized 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.  SSIGNOR (INVENTOR):  Date: May 12, 2021	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.
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.  SSIGNOR (INVENTOR):  Date: May 12, 2021	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.
ignature: Date: May 12, 2021	As an above-named inventor, I hereby declare that the above-identified application was made or nuthorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed nvention in the application.
Date: May 12, 2021	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 J.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
Date: May 12, 2021	ISSIGNOR (INVENTOR):
	ignature; Date; May 12, 2021
	rinted or Typed Name: Kang Sik MYUNG

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PATENT REEL: 056564 FRAME: 0458