

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7534944

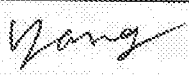
<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JONG-HEON YANG	09/07/2022
SEUNG YOUL KANG	09/07/2022
YONG HAE KIM	09/08/2022
HEE-OK KIM	09/07/2022
JEHO NA	09/08/2022
JAEHYUN MOON	09/07/2022
CHAN WOO PARK	09/08/2022
HIMCHAN OH	09/08/2022
SEONG-MOK CHO	09/08/2022
SUNG HAENG CHO	09/07/2022
JI HUN CHOI	09/07/2022
JAE-EUN PI	09/07/2022
CHI-SUN HWANG	09/07/2022
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
<b>Street Address:</b>	218, GAJEONG-RO, YUSEONG-GU
<b>City:</b>	DAEJEON
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	34129
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17943528
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)854-1332
<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>	7038541331
<b>Email:</b>	mail@lrkpatent.com
<b>Correspondent Name:</b>	LRK PATENT LAW FIRM
<b>Address Line 1:</b>	14325H WILLARD RD.

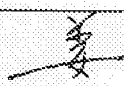
<b>Address Line 4:</b> CHANTILLY, VIRGINIA 20151	
<b>ATTORNEY DOCKET NUMBER:</b>	P12182US
<b>NAME OF SUBMITTER:</b>	TAEKSOO LEE
<b>SIGNATURE:</b>	/TAEKSOO LEE/
<b>DATE SIGNED:</b>	09/13/2022
<b>Total Attachments: 4</b> source=P12182_dec_asn#page1.tif source=P12182_dec_asn#page2.tif source=P12182_dec_asn#page3.tif source=P12182_dec_asn#page4.tif	

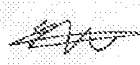
출원 자료서를 이용한 실용 또는 디자인 특허 출원 선언 및 양도서 (37 CFR 1.76)  
**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION  
 USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT**

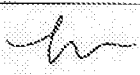
발명의 명칭 Title of Invention	SEMICONDUCTOR DEVICE, DISPLAY PANEL, AND DISPLAY DEVICE INCLUDING THE SAME
선언 Declaration	<p>아래에 기명된 발명자로서, 본인은 아래와 같이 선언합니다:          As the below named inventor(s), I hereby declare that:</p> <p>동 선언서 제출처:          The declaration is directed to:</p> <p><input checked="" type="checkbox"/> 첨부된 출원, 또는          The attached application, or</p> <p><input type="checkbox"/> 미국 출원 또는 PCT 국제 출원 번호 _____ 및          출원 일자 _____          United States application or PCT international application number  <u>PCT/KR#####</u> filed on _____</p> <p>상기 기재된 출원은 본인이 작성하였거나, 본인의 허락하에 본인 작성으로          신고되었습니다.          The above-identified application was made or authorized to be made by me.</p> <p>본인은 본인이 단독 또는 공동 발명자와 함께 출원서에 주장된 발명사항을 발명한          사람이라고 믿습니다.          I believe that I am the original or an original joint inventor of a claimed invention in the          application.</p> <p>본인은 의도적인 허위 진술이 동 선언서에 기재되었을 경우 18 U.S.C. 1001 에 의거,          벌금형 또는 (5) 년 이하의 징역형 또는 두 가지 형벌을 모두 받을 수 있음을 인지합니다.          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.</p>
양도 Assignment	<p>NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt whereof          is acknowledge, and other good and valuable consideration, I, by these presents do sell,          assign and transfer unto said assignee(s)</p> <p style="text-align: center;">Electronics and Telecommunications Research Institute          218 Gajeong-ro, Yuseong-gu, Daejeon, 34129, KOREA          Republic of Korea</p> <p>and the heirs, successors, assigns and legal representatives of the assignee(s) the full          and exclusive right to the said invention in the United States and in its territorial          possessions and in any and all foreign countries any and all improvements thereof, the          entire rights, title and interest in and to any and all Patents which may be granted          therefore in the United States. I hereby authorize and request the Director of the U.S.          Patent and Trademark Office to issue said United States Patent to said assignee(s), of the          entire right, title, and interest in and to the same, for his sole use and for the use of his          legal representatives, to the full end of the term for which said Patent may be granted, as          fully and entirely as the same would have been held by me had this assignment and sale          not been made.</p> <p>I agree promptly upon request of the assignee(s), its heirs, successors, assigns and          legal representatives of the assignee(s) to communicate any facts known to it respecting          the patent and the invention set forth therein, and to execute and deliver without further</p>

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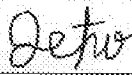
	compensation any power of attorney, Assignment, application, whether original, continuation, divisional or reissue, or other papers that may be necessary. I hereby covenant that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale. I further covenant that assignee(s) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will testify as to the same in any litigation related thereto and will promptly execute and deliver to assignee(s) or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.	
발명자의 법적 성명 Legal Name Of Inventor	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Jong-Heon YANG
	발명자 서명: Inventor Signature:	
	일자: Date:	Sep. 7, 2022

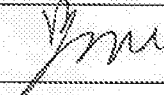
공동 발명자의 법적 성명 Legal Name Of Joint Inventor, If Any	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Seung Youl KANG
	발명자 서명: Inventor Signature:	
	일자: Date:	Sep. 7, 2022

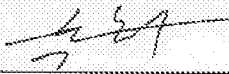
공동 발명자의 법적 성명 Legal Name Of Joint Inventor, If Any	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Yong Hae KIM
	발명자 서명: Inventor Signature:	
	일자: Date:	Sep. 8, 2022

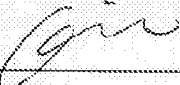
공동 발명자의 법적 성명 Legal Name Of Joint Inventor, If Any	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Hee-ok KIM
	발명자 서명: Inventor Signature:	
	일자: Date:	Sep. 7, 2022


출원 자료를 이용한 실용 또는 디자인 특허 출원 선언 및 양도서 (37 CFR 1.76)  
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공동 발명자의 법적 성명 Legal Name Of Joint Inventor, If Any	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Jeho NA
	발명자 서명: Inventor Signature:	
	일자: Date:	Sep. 8th 2022

공동 발명자의 법적 성명 Legal Name Of Joint Inventor, If Any	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Jaehyun MOON
	발명자 서명: Inventor Signature:	
	일자: Date:	Sep 7th 2022

공동 발명자의 법적 성명 Legal Name Of Joint Inventor, If Any	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Chan Woo PARK
	발명자 서명: Inventor Signature:	
	일자: Date:	Sep 8th 2022.

공동 발명자의 법적 성명 Legal Name Of Joint Inventor, If Any	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Himchan OH
	발명자 서명: Inventor Signature:	
	일자: Date:	Sep 8th 2022.

공동 발명자의 법적 성명 Legal Name Of Joint Inventor, If Any	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Seong-Mok, CHO
	발명자 서명: Inventor Signature:	
	일자: Date:	Sep. 8th 2022

출원 자료를 이용한 실용 또는 디자인 특허 출원 선언 및 양도서 (37 CFR 1.76)  
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	발명자 서명: Inventor Signature:	<i>Sung Haeng Cho</i>
	일자: Date:	<i>7. Sep. 2022</i>

공동 발명자의 법적 성명 Legal Name Of Joint Inventor, If Any	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Ji Hun CHOI
	발명자 서명: Inventor Signature:	<i>Ji Hun Choi</i>
	일자: Date:	<i>Sep. 7th, 2022</i>

공동 발명자의 법적 성명 Legal Name Of Joint Inventor, If Any	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Jae-Eun PI
	발명자 서명: Inventor Signature:	<i>Jae-Eun PI</i>
	일자: Date:	<i>Sep. 17th, 2022</i>

공동 발명자의 법적 성명 Legal Name Of Joint Inventor, If Any	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Chi-Sun HWANG
	발명자 서명: Inventor Signature:	<i>Chi-Sun Hwang</i>
	일자: Date:	<i>Sep 17th 2022</i>