#### 10/13/2021 506919534

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

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MINSU KIM	10/06/2021
GEEYOUNG SUNG	10/06/2021
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SANGBUM LEE	09/10/2021
JONGHYUN LEE	09/10/2021
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## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17500098

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**REEL: 057779 FRAME: 0480** 506919534

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NAME OF SUBMITTER:	MATTHEW TYLER SMIRCICH-TEAMS	
SIGNATURE:	/Matthew Tyler Smircich/	
DATE SIGNED: 10/13/2021		
This document serves as an Oath/Declaration (37 CFR 1.63).		
Total Attachments: 4		

source = Q264542 Executed Assignment with Declaration TOBEFILED # page 1. tifsource = Q264542 Executed Assignment with Declaration TOBEFILED # page 2. tifsource = Q264542 Executed Assignment with Declaration TOBEFILED # page 3. tifsource = Q264542 Executed Assignment with Declaration TOBEFILED # page 4. tifsource = Q264542 Executed Assignment with Declaration TOBEFILED # page 4. tifsource = Q264542 Executed Assignment with Declaration TOBEFILED # page 4. tifsource = Q264542 Executed Assignment with Declaration TOBEFILED # page 4. tifsource = Q264542 Executed Assignment with Declaration TOBEFILED # page 4. tifsource = Q264542 Executed Assignment with Declaration TOBEFILED # page 4. tifsource = Q264542 Executed Assignment W = Q264542 Executed Assignment W

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Docket No.: Q264542 Only After Sept 16, 2012 US Rights Only

### ASSIGNMENT WITH DECLARATION FOR PATENT APPLICATION (37 CFR 1.63)

# 특허 출원 관련 양도 및 선언(연방규칙집 제 37조 1.63 항)

## Korean Language Assignment with Declaration

이하 양도인으로 지칭되는 하기 서명 발명자인 본인(들)은 아래에 명시된 출원에서 서술한 특정 개선을 발명하였으므로 그리고	Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and
에 소재한 (양수인)는(온) 출원 및 발명의 그리고 이에 따라 획득될 일체의 미국 특허에 대한 모든 권리, 소유권 및 이권을 획득하기를 원하므로,	Whereas, <u>SAMSUNG ELECTRONICS CO., LTD.</u> of 129, <u>Samsung-ro.</u> Yeongtong-gu. <u>Suwon-si.</u> <u>Gyeonggi-do.</u> 16677, <u>Republic of Korea</u> , (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;
이제 대가를 위한 그 수령을 인정합니다.	Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,
상기 양도인인 본인(들)은 상기 명칭의 양수인, 그 승계자 및 그 양수인에게 모든 분할과 그 연속을 포함하여 미국 용으로 공개된 출원과 발명 그리고 그에 대해 승인될 수 있는 미국의 모든 특허증서와 미합중국 코드 제 35 장 제\$119 항에 의거한 우선권 청구권과과거의 손해에 대한소송권을 포함한모든 그 제발행에 대한전체 권리, 소유권 및 이권을 판매, 양도 및 이전하며 그리고본인(들)은 출원서에 제시된 발명에 대해 승인된 일체의 특허증서를양수인, 그승계자 또는 그 양수인에게 발급하도록 미국 특허청장에게 요청하는 바이며 또한 본인(들)은 양수인의 요청할 경우 미국 출원과관련하여 양수인이 필요하다고 생각하는 모든 서류를 더 이상의 보수없이 서명날인할 것입니다.	I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 USC 119 and the right to sue for past damages, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.
(공인은 기록을 위해 요구되지는 않지만 미합중국 코드 제 35 장 제\$261 항에 의거 서명날인에 대한 일응의 증거입니다)	(Legalization not required for recording but is prima facie evidence of execution under 35 USC 261)
본인은 아래 성명의 발명자로서 다음과 같이 선언합니다.	As the below named inventor, I hereby declare that:
본 양도 및 선언서는 다음 사항을 위한 것입니다:	This assignment with declaration is directed to:
M 첨부출원또는	The attached application, or
□ 미합중국 출원 또는 PCT 국제출원 번호: <u>출원</u> 일:	United States Application or PCT International Application Number filed on
본 출원의 제목은 다음과 같습니다:	The application is entitled:
	3D HOLOGRAPHIC DISPLAY DEVICE AND OPERATING METHOD OF THE SAME

PATENT REEL: 057779 FRAME: 0482

### Korean Language Assignment with Declaration

위에 표시된 출원은 본인이 신청하였거나 또는 신청하도록 허가를 받았습니다.

본인은, 본인이 본 출원에서 청구된 발명의 원 발명자 또는 원 공동 발명자라고 믿습니다.

본인은 본 양도 및 선언서 제출과 관련된 출원의 내용을 검토하였으며 아울러 이해합니다.

본인은 연방 규정 코드 제 37 장 제 1.56 항에 규정된 바에 따라, 특허성의 판단에 중요한 본인이 아는 모든 정보를 특허청에 공개할 의무가 있음을 알고 있습니다.

본 양도 및 선언서 내에 의도적 허위 진술이 있을 경우 미합중국 코드 제 18장의 1001 항에 의거 털금이나 5 년 이하의 징역 또는 두 기지 처벌을 모두 받을 수 있음을 인정합니다. The above identified application was made or was 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.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

## STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):

The assignment with declaration is an accurate translation of the corresponding English language assignment with declaration.

and the section

Signature Date

March 17, 2014

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REEL: 057779 FRAME: 0483

NAME OF SOLE OR FIRST INVENTOR: 단독 목은 최고 활명자의 정말				
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Inventor's signature 발명자의 사명	Date 84 44, 9, 10.			
Residence: 四季刘: Yongin-si, Republic of Korea				
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Inventor's signature 설명자외작명 김 인수	Date 원자 고/ /O. 6			
Residence: 저주치: Ansan-si, Republic of Korea				
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Ansan-st, Republic of Korea  Mailing Address: c/o Samsung Advanced Institute of Technology, 130,	Samsung.ru, Veongiong-gu, Suwon-si, Gyeonggi-do, 16678,			
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Ansail-si, Republic of Korea  Mailing Address: c/o Samsung Advanced Institute of Technology, 130, 유민화 주소: Republic of Korea  NAME OF FOURTH INVENTOR: 대한의 항망자의 정명  Given Name (first and middle [if any])	Family Name or Surname			
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Ansati-st, Republic of Korea  Mailing Address: c/o Samsung Advanced Institute of Technology, 130, 유럽 주소: Republic of Korea  NAME OF FOURTH INVENTOR: 내면의 발명자의 성명  Given Name (first and middle [if any]) 마용(영제는 제안) Gecyoung  Inventor's signature 발명자의 시명  Residence: 지주지: Daegu, Republic of Korea	Family Masse or Surname 是(数) Sang			
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Mailing Address: c/o Samsung Advanced Institute of Technology, L30, 유민하나 이 주는 Republic of Korea  NAME OF FOURTH INVENTOR: 네인의 합병자의 설명  Given Name (first and middle [if any]) 데본(설립는 설계) Gecyoung  Inventor's signature 발명자의 설명  Residence: 기주지: Daego, Republic of Korea  Mailing Address: c/o Samsung Advanced Institute of Technology, 130, Republic of Korea  NAME OF FIFTH INVENTOR:	Funily Name or Surname 机体) Sung Date 图本 2021.10.06			
Mailing Address: c/o Samsung Advanced Institute of Technology, 130, 유민하나 of Korea  NAME OF FOURTH INVENTOR: 내전의 발발자의 설명  Given Name (first and middle [if any]) 의용(설계는 제원) Gecyoung Inventor's signature 발발자의 시명  Residence: 기주지: Daege, Republic of Korea  Mailing Address: c/o Samsung Advanced Institute of Technology, 130, 유민하는 Republic of Korea  NAME OF FIFTH INVENTOR: 타보면의 설명가의 설명  Given Name (first and middle [if any])	Family Name or Surname Sung  Date SAM 2021.10.06  Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16678,			
Mailing Address:	Family Name or Surname  \$\frac{1}{2}(\text{M})\ Song    Date   2021.10.06    Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16678,    Family Name or Surname   \frac{1}{2}(\text{R})\   Lee   Date   Date			
Mailing Address: c/o Samsung Advanced Institute of Technology, 130. Republic of Kores  NAME OF FOURTH INVENTOR: 네번째 캠핑지의 설팅  Given Name (first and middle [if any]) 이용(설립는 세월)  Residence: 기구지: Daego, Republic of Kores  Mailing Address: c/o Samsung Advanced Institute of Technology, 130, 무런구소: Republic of Kores  NAME OF FIFTH INVENTOR: 타닷턴째 발생자의 설팅  Given Name (first and middle [if any]) 이용(설립는 세월)  Dongyeoul  Inventor's signature 방영자의 설명  Given Name (first and middle [if any]) 이용(설립는 세월)  Dongyeoul  Inventor's signature 방영자의 설명  Residence: 기주지: Suwon-si, Republic of Korea	Family Name or Surname  \$\frac{1}{2}(\text{M})\ Song  Date  \$\frac{1}{2} \text{2021.10.06}  Samsung-ro, Yoongtong-gu, Suwon-si, Gyeonggi-do, 16678,  Family Name or Surname \$\frac{1}{2}(\text{R})\ Lee  Date			

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AV ## . SAS	), Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16678,
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Inventor's signature 항영자의 시명 고기	Date धम Oct. 6. 2021
Residence: 거추지: Yangin-si, Republic of Korea	
\$1 Sept. 3 \$ \$	), Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16678,
name of tenth inventor: 정면적 항상하다 당연	
Given Name (first and middle [if any]) 이문(설회는 제의) Jong-Young/フ	Panily Name or Surname 설(生) Hong
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Chip개발교육(LED)/이종현/10460565/2021-09-10 11:49

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