PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAE ONE KIM	07/13/2016
HYUN EUI KIM	07/14/2016
HYON GON CHOO	08/03/2016
JIN WOONG KIM	08/03/2016
JIN SOO CHOI	08/03/2016

RECEIVING PARTY DATA

Name:	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
Street Address:	218 GAJEONG-RO, YUSEONG-GU
City:	DAEJEON
State/Country:	KOREA, REPUBLIC OF
Postal Code:	34129

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15236956

CORRESPONDENCE DATA

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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.

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NAME OF SUBMITTER:	JONATHAN D. SCHLAIFER
SIGNATURE:	/Jonathan D. Schlaifer/
DATE SIGNED:	08/15/2016

Total Attachments: 6

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PATENT REEL: 039436 FRAME: 0179

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PATENT REEL: 039436 FRAME: 0180

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION

As a below-named inventor, I hereby declare that this declar	aration is directed to the application attached
hereto, or to United States Application Number or PCT Into	ernational Application Number
filed on	(if applicable), entitled:
APPARATUS FOR HOLOGR	APHIC DISPLAY

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

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

I have reviewed and understand the contents of the above-identified application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

ASSIGNMENT

For valuable consideration, I, as a below-named assignor, hereby assign to:

Electronics and Telecommunications Research Institute 218, Gajeong-ro, Yuseon-gu

Daejeon 34129

Republic of Korea

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements that are the subject of the application identified in the above declaration, which is United States Application Number or PCT International

Application Number 15/236,956 filed on August 15, 2016

PR20150309US, 특허법인 태평양

1

I authorize and request the attorneys appointed in the above-identified application to hereafter complete this Assignment by inserting above the application number and the filing date of the above-identified application when known, and to correct any typographical errors that may be discovered in this Assignment.

This Assignment includes the above-identified application, any and all United States and foreign patents, utility models, and design registrations granted for any of the inventions and improvements that are the subject of the above-identified application, and the right to claim priority based on the filing date of the above-identified application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations, like rights of exclusion, and inventors' certificates for any of the inventions and improvements that are the subject of the above-identified application; and I agree for myself and my heirs, legal representatives, and assigns without further compensation to perform such lawful acts and to sign such further applications, Assignments, preliminary statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

In witness whereof, I, as a below-named inventor and assignor, intending to be legally bound, have hereunto affixed my signature on the date indicated below next to my signature.

Inventor's Legal Name	Tae One KIM			grani na manadi (n. 13 ak). 44		againment de l'acceptant plans de reconstruir de l'acceptant de l'acceptant de l'acceptant de l'acceptant de l
Inventor's Signature		Date	Tuly	. /	/3.	/2016
Residence (City, Country)	Dacjeon, Republic of Korea					
Mailing Address	13, Daejong-ro 422bcon-gil, Jung- Korea #	gu, Dac	jeon 349	28,	Republ	ic of

Inventor's Legal Name	Hyun Eui KIM	againne aine e ea an an an an an an	and the second	gagagagan and construction of the construction
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Mailing Address	18, Bunpyeong-ro, Seowon-gu, Cl 28799, Republic of Korea	reongju-si	, Chungcheong	buk-do

Inventor's Legal Name	Hyon Gon CHOO			
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Inventor's Legal Name	Jin Soo CHOI			
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Residence (City, Country)	Daejeon, Republic of Korea			
Mailing Address	609-1605, Banseok maeul 6 Dan gu, Daejeon 34067, Republic of		nseokseo-ro	, Yuseong-

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATIO	IN
As a below-named inventor, I hereby declare that this declar	ration is directed to the application attached
hereto, or to United States Application Number or PCT Inter	rnational Application Number
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I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

ASSIGNMENT

For valuable consideration, I, as a below-named assignor, hereby assign to:

Electronics and Telecommunications Research Institute

218, Gajeong-ro, Yuseon-gu Daejeon 34129

Republic of Korea

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements that are the subject of the application identified in the above declaration, which is United States Application Number or PCT International

Application Number 15/236,956 filed on August 15, 2016

I authorize and request the attorneys appointed in the above-identified application to hereafter complete this Assignment by inserting above the application number and the filing date of the above-identified application when known, and to correct any typographical errors that may be discovered in this Assignment.

This Assignment includes the above-identified application, any and all United States and foreign patents, utility models, and design registrations granted for any of the inventions and improvements that are the subject of the above-identified application, and the right to claim priority based on the filing date of the above-identified application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations, like rights of exclusion, and inventors' certificates for any of the inventions and improvements that are the subject of the above-identified application; and I agree for myself and my heirs, legal representatives, and assigns without further compensation to perform such lawful acts and to sign such further applications, Assignments, preliminary statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

In witness whereof, I, as a below-named inventor and assignor, intending to be legally bound, have hereunto affixed my signature on the date indicated below next to my signature.

Inventor's Legal Name	Tae One KIM			
Inventor's Signature		Date	1	/2016
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