# 505461348 05/06/2019

# PATENT ASSIGNMENT COVER SHEET

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#### **CONVEYING PARTY DATA**

Name	Execution Date
Byeong Moon JEON	04/07/2010
Seung Wook PARK	04/07/2010
Joon Young PARK	04/07/2010
Jae Won SUNG	04/07/2010
Hyun Wook PARK	04/07/2010
Jee Hong LEE	04/07/2010
Jin Young LEE	04/10/2010
Dong San JUN	04/07/2010
Yinji PIAO	04/07/2010

## **RECEIVING PARTY DATA**

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City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	150-721
Name:	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY
Name: Street Address:	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY 373-1, GUSUNG-DONG, YUSEONG-KU
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## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16389037

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PATENT 505461348 REEL: 049089 FRAME: 0187

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ATTORNEY DOCKET NUMBER:	19819-0302008	
NAME OF SUBMITTER:	SHANNON STADNICK	
SIGNATURE:	/Shannon Stadnick/	
DATE SIGNED:	05/06/2019	

**Total Attachments: 4** 

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> PATENT REEL: 049089 FRAME: 0188

Attorney Docket No.: 19819-0302004 Client Ref. No.: OPP-WZ-2008-0061-US-C3; LG: 08FDML029US02D3

#### ASSIGNMENT

For valuable consideration, we, <u>Bycong Moon JEON</u> of LG Electronics Inc. IP Group 16, Woomyeon-dong, Seocho-gu, Seoul 137-724, Republic of Korea, <u>Seung Wook PARK</u> of LG Electronics Inc. IP Group 16, Woomyeon-dong, Seocho-gu, Seoul 137-724, Republic of Korea, <u>Joon Young PARK</u> of LG Electronics Inc. IP Group 16, Woomyeon-dong, Seocho-gu, Seoul 137-724, Republic of Korea, <u>Jae Won SUNG</u> of LG Electronics Inc. IP Group 16, Woomyeon-dong, Seocho-gu, Seoul 137-724, Republic of Korea, <u>Hyun Wook PARK</u> of Dept. of EE, KAIST, Guseong-dong, Yusong-gu, Daejeon 305-701, Republic of Korea, <u>Jee Hong LEE</u> of Dept. of EE, KAIST, Guseong-dong, Yusong-gu, Daejeon 305-701, Republic of Korea, <u>Jin Young LEE</u> of Dept. of EE, KAIST, Guseong-dong, Yusong-gu, Daejeon 305-701, Republic of Korea and <u>Yinji PIAO</u> of Dept. of EE, KAIST, Guseong-dong, Yusong-gu, Daejeon 305-701, Republic of Korea and <u>Yinji PIAO</u> of Dept. of EE, KAIST, Guseong-dong, Yusong-gu, Daejeon 305-701, Republic of Korea, hereby assign to:

<u>LG ELECTRONICS INC.</u>, a corporation of <u>KOREA</u> having a place of business at 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721 Korea; and

KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY, a corporation of KOREA having a place of business at Dept. of EE, KAIST, Guseong-dong, Yusong-gu, Daejeon 305-701, Republic of Korea, and their successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled AMETHOD AND AN APPARATUS FOR PROCESSING A VIDEO SIGNAL, filled June 10, 2013, and assigned U.S. Serial Number 13/914,106, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filling date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filling date of said 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 we authorize the Assignees to apply in all countries in our name or in its own name for patents, utility models,

Page 1 of 2

design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective 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 Assignees may reasonably request to effectuate fully this assignment.

bym for	April 7, 2010
Byeong Moon JEON	DATE
(2)	April . 7. 2010
Seung Wook PARK	DATE
	April 7. 2010 DATE
Joon Young PARK	DATE
Jae Won SUNG	Aprel 7.2010  DATE
Hyun Wook PARK	DATE
0/2/3	4, 1, 2010.
Jee Hong LEE	DATE
Jin Young LEE	DATE
Dong San JUN	DATE
Yinji PIAO	DATE

# **ASSIGNMENT**

For valuable consideration, we, <u>Byeong Moon JEON</u> of LG Electronics Inc. IP Group 16, Woomyeon-dong, Seocho-gu, Seoul 137-724, Republic of Korea, <u>Seung Wook PARK</u> of LG Electronics Inc. IP Group 16, Woomyeon-dong, Seocho-gu, Seoul 137-724, Republic of Korea, <u>Joon Young PARK</u> of LG Electronics Inc. IP Group 16, Woomyeon-dong, Seocho-gu, Seoul 137-724, Republic of Korea, <u>Jae Won SUNG</u> of LG Electronics Inc. IP Group 16, Woomyeon-dong, Seocho-gu, Seoul 137-724, Republic of Korea, <u>Hyun Wook PARK</u> of Dept. of EE, KAIST, Guseong-dong, Yusong-gu, Daejeon 305-701, Republic of Korea, <u>Jee Hong LEE</u> of Dept. of EE, KAIST, Guseong-dong, Yusong-gu, Daejeon 305-701, Republic of Korea, <u>Jin Young LEE</u> of Dept. of EE, KAIST, Guseong-dong, Yusong-gu, Daejeon 305-701, Republic of Korea and <u>Yinji PIAO</u> of Dept. of EE, KAIST, Guseong-dong, Yusong-gu, Daejeon 305-701, Republic of Korea and <u>Yinji PIAO</u> of Dept. of EE, KAIST, Guseong-dong, Yusong-gu, Daejeon 305-701, Republic of Korea, hereby assign to:

LG ELECTRONICS INC., a corporation of KOREA having a place of business at 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721 Korea; and

KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY, a corporation of KOREA having a place of business at Dept. of EE, KAIST, Guseong-dong, Yusong-gu, Daejeon 305-701, Republic of Korea, and their successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled A METHOD AND AN APPARATUS FOR PROCESSING A VIDEO SIGNAL . filed June 10, 2013, and assigned U.S. Serial Number 13/914,106 and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said 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 we authorize the Assignees to apply in all countries in our name or in its own name for patents, utility models,

design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective 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 Assignees may reasonably request to effectuate fully this assignment.

Byeong Moon JEON	DATE
Seung Wook PARK	DATE
Joon Young PARK	DATE
Jae Won SUNG	DATE
Hyun Wook PARK	April 2 2010 DATE
Jee Hong LEE	DATE
Jih Young LEE	April 10. 2010.  DATE
Dong San JUN	DATE
Yinji PIAO	DATE / 20/0

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