

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yongjoon JEON</td> <td>03/18/2013</td> </tr> <tr> <td>Seungwook PARK</td> <td>03/18/2013</td> </tr> <tr> <td>Jaehyun LIM</td> <td>03/18/2013</td> </tr> <tr> <td>Jungsun KIM</td> <td>03/17/2013</td> </tr> <tr> <td>Joonyoung PARK</td> <td>03/18/2013</td> </tr> <tr> <td>Younghee CHOI</td> <td>03/28/2013</td> </tr> <tr> <td>Jaewon SUNG</td> <td>04/22/2013</td> </tr> <tr> <td>Byeongmoon JEON</td> <td>03/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	Yongjoon JEON	03/18/2013	Seungwook PARK	03/18/2013	Jaehyun LIM	03/18/2013	Jungsun KIM	03/17/2013	Joonyoung PARK	03/18/2013	Younghee CHOI	03/28/2013	Jaewon SUNG	04/22/2013	Byeongmoon JEON	03/18/2013
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RECEIVING PARTY DATA																			
Name:	LG Electronics Inc.																		
Street Address:	20, Yeouido-dong, Yeongdeungpo-gu																		
City:	Seoul																		
State/Country:	KOREA, REPUBLIC OF																		
Postal Code:	150-721																		
PROPERTY NUMBERS Total: 1																			
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14000639</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14000639														
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Application Number:	14000639																		
CORRESPONDENCE DATA																			
Fax Number:	8777697945																		
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
Phone:	(202) 783-5070																		
Email:	apsi@fr.com																		
Correspondent Name:	Jeremy J. Monaldo																		
Address Line 1:	FISH & RICHARDSON P.C.																		
Address Line 2:	P.O.BOX 1022																		
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022																		


CH \$40.00 14000639

ATTORNEY DOCKET NUMBER:	21613-0090US1
NAME OF SUBMITTER:	Sharon M. Allen
Signature:	/Sharon M. Allen/
Date:	08/22/2013
Total Attachments: 6 source=21613-0090US1 Assign#page1.tif source=21613-0090US1 Assign#page2.tif source=21613-0090US1 Assign#page3.tif source=21613-0090US1 Assign#page4.tif source=21613-0090US1 Assign#page5.tif source=21613-0090US1 Assign#page6.tif	

ASSIGNMENT


For valuable consideration, we, JEON, Yongjoon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, PARK, Seungwook of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, LIM, Jaehyun of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, KIM, Jungsun of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, PARK, Joonyoung of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, CHOI, Younghee of of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, SUNG, Jaewon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea and JEON, Byeongmoon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, hereby assign to: LG ELECTRONICS INC., a corporation of Republic of Korea having a place of business at: 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721 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 which are subject of an application for United States Patent signed by us, entitled INTRA-PREDICTION METHOD USING FILTERING, AND APPARATUS USING THE METHOD, filed on August 21, 2013, and assigned U.S. Serial Number 14/000,639, 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 Assignee 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 Assignee may reasonably request to effectuate fully this assignment



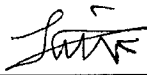
JEON, Yongjoon

Date: 18. Mar. 2013



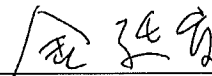
PARK, Seungwook

Date: 18. Mar. 2013



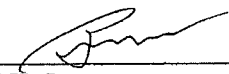
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Date: 18. Mar. 2013



KIM, Jungsun

Date: 17. Mar. 2013



PARK, Joonyoung

Date: 18. Mar. 2013

CHOI, Younghee

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SUNG, Jaewon

Date: _____



JEON, Byeongmoon

Date: 18. Mar. 2013

Witnessed by:

Name: _____

Date: _____

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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

JEON, Yongjoon Date: _____

PARK, Seungwook Date: _____

LIM, Jaehyun Date: _____

KIM, Jungsun Date: _____

PARK, Joonyoung Date: _____



CHOI, Younghee Date: Mar. 28th 2013

SUNG, Jaewon Date: _____

JEON, Byeongmoon Date: _____

Witnessed by:

Name: _____ Date: _____

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For valuable consideration, we, JEON, Yongjoon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, PARK, Seungwook of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, LIM, Jaehyun of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, KIM, Jungsun of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, PARK, Joonyoung of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, CHOI, Younghee of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, SUNG, Jaewon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea and JEON, Byeongmoon of LG Electronics Inc., Convergence R&D Lab., 221 Yangjae-dong, Seocho-gu Seoul 137-130 Republic of Korea, hereby assign to: LG ELECTRONICS INC., a corporation of Republic of Korea having a place of business at: 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721 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 which are subject of an application for United States Patent signed by us, entitled INTRA-PREDICTION METHOD USING FILTERING, AND APPARATUS USING THE METHOD, filed on August 21, 2013, and assigned U.S. Serial Number 14/000,639, 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 Assignee 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

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JEON, Yongjoon

Date: _____

PARK, Seungwook

Date: _____

LIM, Jaehyun

Date: _____

KIM, Jungsun


Date: _____

PARK, Joonyoung

Date: _____

CHOI, Younghee

Date: _____



SUNG, Jaewon

Date: 12 April, 2013

JEON, Byeongmoon

Date: _____

Witnessed by:

Name: _____

Date: _____

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