

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>Chaseung Jun</td> <td>10/19/2012</td> </tr> <tr> <td>Byungkeol Choi</td> <td>10/22/2012</td> </tr> <tr> <td>Youngmin Kim</td> <td>10/22/2012</td> </tr> <tr> <td>Dongwon Kim</td> <td>10/22/2012</td> </tr> <tr> <td>Hyundong Kim</td> <td>10/22/2012</td> </tr> <tr> <td>Hwanjin Jung</td> <td>10/22/2012</td> </tr> <tr> <td>Byungwook Min</td> <td>10/22/2012</td> </tr> <tr> <td>Kyeonghwan Kim</td> <td>10/22/2012</td> </tr> <tr> <td>Jinwoong Kim</td> <td>10/22/2012</td> </tr> <tr> <td>Changwoo Son</td> <td>10/22/2012</td> </tr> <tr> <td>Hyunseok Seo</td> <td>10/22/2012</td> </tr> </tbody> </table>		Name	Execution Date	Chaseung Jun	10/19/2012	Byungkeol Choi	10/22/2012	Youngmin Kim	10/22/2012	Dongwon Kim	10/22/2012	Hyundong Kim	10/22/2012	Hwanjin Jung	10/22/2012	Byungwook Min	10/22/2012	Kyeonghwan Kim	10/22/2012	Jinwoong Kim	10/22/2012	Changwoo Son	10/22/2012	Hyunseok Seo	10/22/2012
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Hyunseok Seo	10/22/2012																								
RECEIVING PARTY DATA																									
Name:	LG Electronics Inc.																								
Street Address:	20 Yeouido-dong																								
Internal Address:	Yeongdeungpo-gu																								
City:	Seoul																								
State/Country:	KOREA, DEMOCRATIC PEOPLE'S 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>13658114</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13658114																				
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CORRESPONDENCE DATA																									
Fax Number:	8777697945																								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																									
Phone:	214-747-5070																								
Email:	apsi@fr.com																								

CH \$40.00 13658114

Correspondent Name: Fish & Richardson
Address Line 1: P.O. Box 1022
Address Line 4: Minneapolis, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER: 20172-0091001

NAME OF SUBMITTER: Karen Vertz

Signature: /Karen Vertz/

Date: 04/16/2013

Total Attachments: 3
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ASSIGNMENT

For valuable consideration, we,
Chaseung JUN of 327-23, Gasan-Dong, Geumcheon-Gu, Seoul, Republic of Korea,
Byungkeol CHOI of 327-23, Gasan-Dong, Geumcheon-Gu, Seoul, Republic of Korea,
Youngmin KIM of 327-23, Gasan-Dong, Geumcheon-Gu, Seoul, Republic of Korea,
Dongwon KIM of 327-23, Gasan-Dong, Geumcheon-Gu, Seoul, Republic of Korea,
Hyundong KIM of 327-23, Gasan-Dong, Geumcheon-Gu, Seoul, Republic of Korea,
Hwanjin JUNG of 327-23, Gasan-Dong, Geumcheon-Gu, Seoul, Republic of Korea,
Byungwook MIN of 327-23, Gasan-Dong, Geumcheon-Gu, Seoul, Republic of Korea,
Kyeonghwan KIM of 327-23, Gasan-Dong, Geumcheon-Gu, Seoul, Republic of Korea,
Jinwoong KIM of 327-23, Gasan-Dong, Geumcheon-Gu, Seoul, Republic of Korea,
Changwoo SON of 327-23, Gasan-Dong, Geumcheon-Gu, Seoul, Republic of Korea,
Hyunseok SEO of 327-23, Gasan-Dong, Geumcheon-Gu, Seoul, 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 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 WASHING MACHINE TO PRODUCE THREE-
DIMENSIONAL MOTION, filed October 23, 2012, and assigned U.S. Serial
Number 13/658,114, 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.

전 차 등
Inventor's Name : Chaseung JUN

October 19, 2012
DATE

Choi
Inventor's Name : Byungkeol CHOI

2012. 10. 22
DATE

김영민
Inventor's Name : Youngmin KIM

2012, 10. 22
DATE

[Signature]
Inventor's Name : Dongwon KIM

2012. 10. 22
DATE

[Signature]
Inventor's Name : Hyundong KIM

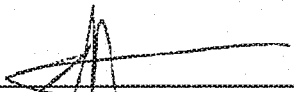
2012. 10. 22
DATE

[Signature]
Inventor's Name : Hwanjin JUNG

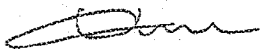
2012. 10. 22
DATE

[Signature]
Inventor's Name : Byungwook MIN

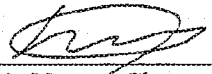
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Inventor's Name : Kyeonghwan KIM

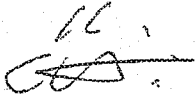
2012. 10. 22
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Inventor's Name : Jinwoong KIM

2012. 10. 22
DATE


Inventor's Name : Changwoo SON

2012. 10. 22
DATE


Inventor's Name : Hyunseok SEO

2012. 10. 22
DATE