

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| 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>Yang Won Jung</td><td>06/30/2008</td></tr><tr><td>Hee Suk Pang</td><td>06/30/2008</td></tr><tr><td>Hyen O Oh</td><td>06/30/2008</td></tr><tr><td>Dong Soo Kim</td><td>06/30/2008</td></tr><tr><td>Jae Hyun Lim</td><td>06/30/2008</td></tr></tbody></table> | Name | Execution Date | Yang Won Jung | 06/30/2008 | Hee Suk Pang | 06/30/2008 | Hyen O Oh | 06/30/2008 | Dong Soo Kim | 06/30/2008 | Jae Hyun Lim | 06/30/2008 | |
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| Dong Soo Kim | 06/30/2008 | | | | | | | | | | | | |
| Jae Hyun Lim | 06/30/2008 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| Name: | LG Electronics, Inc. | | | | | | | | | | | | |
| Street Address: | 20, Yeouido-dong, Yeongdeungpo-gu | | | | | | | | | | | | |
| City: | Seoul | | | | | | | | | | | | |
| State/Country: | REPUBLIC OF KOREA | | | | | | | | | | | | |
| 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>12278571</td></tr></tbody></table> | Property Type | Number | Application Number: | 12278571 | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 12278571 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| Fax Number: (877)769-7945 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | | | |
| Phone: 650-839-5070 | | | | | | | | | | | | | |
| Email: sqp@fr.com | | | | | | | | | | | | | |
| Correspondent Name: Kirk A. Gottlieb | | | | | | | | | | | | | |
| Address Line 1: FISH & RICHARDSON P.C. | | | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 19819-0270US1 | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Sjon M. Pelletier | | | | | | | | | | | | |

CH \$40.00 12278571

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PATENT
REEL: 021898 FRAME: 0028

Total Attachments: 2

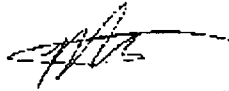
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ASSIGNMENT

For valuable consideration, we, Hee Suk PANG of Seoul, Korea; Dong Soo KIM of Seoul, Korea; Jae Hyun LIM of Seoul, Korea; Hyun O OH of Kyunggi-do, Korea; and Yang Won JUNG, Seoul Korea; hereby assign to LG ELECTRONICS INC., a corporation of KOREA, having a place of business at 20, Yoido-dong, Youngdungpo-gu, Seoul, 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 APPARATUS AND METHOD FOR ENCODING/DECODING SIGNAL, filed August 6, 2008, and assigned U.S. Serial Number 12/278,571, 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.

DATE: June 30, 2008


Hee Suk PANG

DATE: 6/30/2008


Dong Soo KIM

DATE: 06. 30. 2008


Jae Hyun LIM

DATE: JUNE 30/2008


Hyun O OH

DATE: 06, 30, 2008


Yang Won JUNG

Witnessed by:

Name: SO JUNG LEE
이소정

Date: 2008 106/30