PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| Bin Chul Ihm | 12/27/2005 |
| Jin Young Chun | 12/27/2005 |
| Yong Suk Jin | 12/27/2005 |

RECEIVING PARTY DATA

| Name: | LG Electronics Inc. | | |
|-----------------|--------------------------------|--|--|
| Street Address: | 20, Yoido-dong, Youngdungpo-gu | | |
| City: | Seoul | | |
| State/Country: | y: REPUBLIC OF KOREA | | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12487506 |

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ATTORNEY DOCKET NUMBER: 2101-3198C1

NAME OF SUBMITTER: Richard C. Salfelder

Total Attachments: 2

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RECORDATION FORM COVER LETTER Patent and Trademark Office

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|--|--|--------------|---|--|--|--|--|--|
| To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof. | | | | | | | | |
| 1. | Name of conveying party Bin Chul Ihm, Jin Young Chun, and Yong Suk Jin | | and address of receiving party(ies): | | | | | |
| 2. | Additional name(s) of conveying party(ies) attached? Yes No | | LG ELECTRONICS INC. | | | | | |
| 3. | Nature of conveyance: Assignment | Seou | oido-dong, Youngdungpo-gu I, Korea nal name(s) & address(es) attached? ☐ Yes ☑ No | | | | | |
| 4. | . Application number(s) or patent number(s): This document is being filed together with a new application. | | | | | | | |
| | A. Patent Application No.(s) 12/487,506 | B. Pa | tent No.(s) N/A | | | | | |
| | Additional numbers attac | ed? 🗌 Ye | s 🛛 No | | | | | |
| 5. | Name and address of party to whom correspondence concerning document should be mailed: | | umber of applications and patents involved: [1] | | | | | |
| | JONATHAN Y. KANG, ESQ. LEE, HONG, DEGERMAN, KANG & WAIMEY 660 South Figueroa Street Suite 2300 Los Angeles, CA 90017 | □ End | losed athorized to be charged to deposit account account number: 502290 | | | | | |
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| | | Date: J | ine 18, 2009 | | | | | |
| | /Richard C. Salfelder/ Richard C. Salfelder, Reg. No. 51,127 | | | | | | | |
| OM | IB No. 0651-0011 (exp. 4/94) | | | | | | | |
| Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450 | | | | | | | | |

ASSIGNMENT

| (1-8) | Insert Name(s) of Invent | or(s) (1) E | Bin Chul IHM | (5) | |
|-------------------------------------|---|--|---|--|---|
| | | (2) J | in Young CHUN | (6) | |
| | | (3) \ | ong Suk JIN | (7) | |
| | | (4) | | (8) | |
| | | | considerations paid to | sum of one dollar (\$1.00) and of each of the undersigned, the ur es assign, transfer and set over to | |
| (9) | Insert name of Assignee | (9) | LG Electronics Inc. | | |
| (10) | Insert state of Incorporat Assignee | ion of (10) | Republic of Korea | | |
| (11) | Insert address of Assign | ee (11) | 20, Yoldo-dong, Young | gdungpo-gu | |
| | | | Seoul, Korea | | |
| | | • | einafter designated as t invention known as | ne Assignee) the entire worldwide r | ight, title and interest |
| (12) | Insert identification of Ins such as Title, Case Num Foreign Application Num | ber or | | ON-COHERENT DETECTABLE SI ESS ACCESS SYSTEM | GNAL IN |
| | - '' | | | ned has (have) executed an applica ca and all patent applications in for or based thereon. | |
| (13) | Insert Date of Signing of Application | (13) | | | |
| assigr | nments in connection with 2) The undersig | such application ned agree(s) to | ns as the Assignee may execute all papers ne | pove-identified invention and also y deem necessary or expedient. cessary in connection with any inte- and to cooperate with the Assigne | rference which may be |
| | aining evidence and going | forward with s | uch interference. | • | |
| in con | | | | documents and perform any act w for Protection of Industrial Property | |
| United | The undersign States patent to the Ass | | perform all affirmative | acts which may be necessary to o | btain a grant of a valid |
| said A interes The u 42,52 | ts of the United States re assignee, as Assignee of at herein assigned, and the andersigned hereby app 3; RICHARD CARL SA | sulting from sai the entire inter- at he has (they points JONATI LFELDER, RI | d application or any divest, and hereby covena have) not executed any HAN Y. KANG, REG. EG. NO. 51,127; LEV | the Commissioner of Patents to is rision or divisions or continuing app ints that he has (they have) full rig ragreement in conflict herewith. NO. 38,199; F. JASON FAR-H/ / EDWARD V. MACAPAGAL, R YER, REG. NO. 51,007 | olications thereof to the olit to convey the entire ADIAN, REG. NO. |
| | • | _ | • | n which may be necessary or desir ce for recordation of this document. | |
| Date: | 2005.1> >n | Signature of In | ventor OL ULA | | |
| Date: | 2019.12.27 | Signature of Inv | ventor 전건명 | | |
| Date: | 2005 19-27 | Signature of In- | ventor_ | | |
| Date: | | Signature of In | ventor | | |
| Date: | | Signature of Im | ventor | | |

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