

Atty. Docket No.: 214-162P

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## 101119878 RECORDATION FORM COVER SHEET To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Name: LG ELECTRONICS INC. CHANG, Woo Sang and CHOI, Nam Kyu Internal Address: Additional name(s) of conveying party(ies) attached? ☐ Yes 🛛 No Street Address: 20, Yoido-dong, Yongdungpo-ku 3. Nature of conveyance: ZIP: State: City: Seoul Merger Country: Korea Postal Code: Security Agreement Change dditional name(s) & address(es) attached? 🔲 Yes 🔯 No Other: Execution Date: June 10, 1999; respectively 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No(s). B. Patent No.(s). 09/320,724 Additional numbers attached? Yes No 6. Total No. of applications/patents involved: One (1) 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 C.F.R. § 3.41): \$40.00 Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP □ Enclosed Street Address: P.O. BOX 747 Authorized to be charged to deposit account City: FALLS CHURCH State: VA ZIP: 22040-0747 8. Deposit account number: 02-2448 Country: USA (Attach triplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. August 13, 1999 Joseph A. Kolasch, #22,463 Name of Person Signing/Reg. No Date Total number of pages including cover sheet, attachments, and document: Three (3)

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> PATENT REEL: 010165 FRAME: 0129

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ATTORNEY DOCKET NO. 214-162P

## **ASSIGNMENT**

|                                       | Application No. 09/320,724  | Filed                                    | May   | 27,                                      | 199<br>—                      |
|---------------------------------------|---|--|---|--|-------------------------------|
| insert Name(s)  of Inventor(s)        | → WHEREAS, CHANG, Woo Sang; CHOI, Nam Kyu   |  |   |  |                               |
|                                       |   |  |   |  |                               |
| Insert Title of Invention             | (hereinafter designated as the undersigned) has (have) invented certain new and usef  | _  |   |  |                               |
|                                       | for which an application for Letters Patent of the United States of America has been e  |  |   |  |                               |
| Insert Date of Signing of Application | (except in the case of a provisional application).  onJune 10, 1999, respectively   |  |   | ;  | and                           |
| Insert Name of Assignee               | WHEREAS, LG ELECTRONICS INC.  |  |   |  |                               |
| Insert Address of Assignee            | → of  |  |   |  |                               |
| CHECK BOX F APPROPRIATE               | its heirs, successors, legal representatives and assigns (hereinafter designated as the acquiring the entire right, title and interest in and to said invention and in and to may be granted therefor in the United States of America and  in any and all foreign countries.  |  |   |  |                               |
|                                       | NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to paid, the receipt of which is hereby acknowledged, and other good and valuable cons has (have) sold, assigned and transferred, and by these presents does sell, assigned the full and exclusive right to the said invention in the United States dependencies and possessions and the entire right, title and interest in and to an which may be granted therefor in the United States of America, its territories, dependencies above is designated, in any and all foreign countries; | ideratio<br>gn and<br>of Ame<br>y and al | n, the u<br>transfe<br>rica, its<br>Il Letter | ndersig<br>r unto<br>territo<br>rs Paten | med<br>said<br>ries,<br>nt(s) |

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or

terms for which the same may be granted.

PATENT REEL: 010165 FRAME: 0130 The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

| Date June 10.1449,  | Name of Inventor | Charg Lo            | o duy    |  |
|---------------------|------------------|---------------------|----------|--|
|                     |                  | (signature) Woo Sur | ng CHÁNG |  |
| Date June 10. 1999, |                  | Choi N              |          |  |
|                     |                  | (signature) Nam K   | yu CHOI  |  |
| Date                | Name of Inventor |                     |          |  |
|                     |                  | (signature)         |          |  |
| Date,               | Name of Inventor |                     |          |  |
|                     |                  | (signature)         |          |  |
| Date,               | Name of Inventor |                     |          |  |
|                     |                  | (signature)         |          |  |
| Date,               | Name of Inventor |                     |          |  |
| ,                   |                  | (signature)         |          |  |

PATENT REEL: 010165 FRAME: 0131