U.S. PTO 12/289911 11/06/2008

| MLA Version 10/01/08 | d on Form PTO-1595 (Rev. 09-08) | | | |
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| RECOF 11. | -20-2008 | | | |
| To the Director or the U.S. Patent and Traderr | s or the new address(es) below | | | |
| 1. Name of conveying party(ies): | 3536048 receiving party(ies) | | | |
| YI, Seung-June, LEE, Young-Dae, LEE, So-Young | Name: LG ELECTRONICS INC. | | | |
| | Internal Address: | | | |
| | | | | |
| Additional name(s) of conveying party(ies) Yes X No attached? | Street 20 Yoido-dong Address: | | | |
| 3. Nature of Conveyance/Execution Date(s): | Youngdungpo-gu | | | |
| X Assignment Merger | | | | |
| Security Agreement Change of Name | City: Seoul | | | |
| Joint Research Agreement | State: | | | |
| Government Interest Agreement | Country: Korea, Republic of | | | |
| Other | Zip: 150-721 | | | |
| Execution Date(s): December 1, 2003 | Additional name(s) & Yes X No address(es) attached: | | | |
| 4. Application or patent number(s): | | | | |
| X This document is being filed together with a new a | polication. | | | |
| A. Patent Application No.(s): | B. Patent No.(s): | | | |
| , filed | | | | |
| | | | | |
| Additional numbers attach | ed? Yes X No | | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: 1 | | | |
| Name: MCKENNA LONG & ALDRIDGE LLP | 7. Total fee (37 CFR 3.41) \$ 40.00 | | | |
| Internal Address: Atty. Dkt.: 8737.047.21 | X Enclosed | | | |
| Street Address: | X Authorized to be charged to deposit account | | | |
| 1900 K STREET, N.W. | None required (government interest not affecting title) | | | |
| | 0 P1 | | | |
| City: State: Zip: | 8. Deposit account number: 50-0911 | | | |
| WASHINGTON DC 20006 | 30-0311 | | | |
| 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. | | | | |
| Michael I. Angert, 46,522 Name of Person Signing, Reg. No. | Signature November 6, 2008 Date | | | |
| | | | | |

DC:50584089.1

11/07/2008 CNGUYEN2 00000055 12289911 01 FC:8021 40.4

PATENT REEL: 021870 FRAME: 0717





Docket No.: 8737.047.00

Assignment of Application

| WHEREAS, | I (WE) | Seung-June YI; Yo | oung-Dae LI | EE; So-Young LEE | |
|---|-----------|--------------------|-------------|------------------|-----------------|
| | | | | | |
| | | | | | , respectively, |
| have invented cert | ain new a | und useful improve | ments in: | | |
| BI-DIRECTIONAL PACKET DATA TRANSMISSION SYSTEM AND METHOD | | | | | |
| for which an application for Letters Patent was executed on | | | | | |
| | | | | , | |
| (Application No. | 10/640, | 575 | , Filed | August 14, 2003 |), and |
| WHEREAS, | LG Ele | ctronics Inc. | | | |
| (hereinafter referre 20 Yoido-dong, Yo | | | | of business at: | |
| | | • | | | |

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

Page 1 of 1

PATENT REEL: 021870 FRAME: 0718



The undersigned hereby grant(s) the firm of McKenna Long & Aldridge LLP, Attorneys at Law, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

| Date: December 1,2003 | 244 |
|------------------------|---------------------------------------|
| | (Signature of Inventor) Seung-June YI |
| Date: Occember (, 2003 | Oliva |
| | (Signature of Inventor) Young-Dae LEE |
| Date: Pecember 1, 2003 | 2 mos |
| | (Signature of Inventor) So-Young LEE |
| Date: | |
| | (Signature of Inventor) |
| Date: | |
| | (Signature of Inventor) |

McKenna Long & Aldridge LLP

Attorneys At Law 1900 K Street, N.W. Washington, D.C. 20006

Page 2 of 2

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