Docket No.: SEC.1586 FORM PTO-1595 (Modified) 03-29-2006 U.S. DEPARTMENT OF COMMERCE (Rev. 03-01) OMB No. 0651-0027 (exp.5/31/2002) Patent and Trademark Office P08A/REV03 Tab settings -To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Sung-Soo HEO Name: Samsung Electronics Co., Ltd. 416, Maetan-dong, Yeongtong-gu, Suwon-si. Address: Additional names(s) of conveying party(ies) ☐ Yes ☒ No 3. Nature of conveyance: ✓ Assignment Merger ☐ Security Agreement Change of Name City: Gyeonggi-do State/Prov.: □ Other Republic of Korea Country: ZIP: Execution Date: March 10, 2006 Additional name(s) & address(es) Yes ⊠ No Application number(s) or patent numbers(s); If this document is being filed together with a new application, the execution date of the application is: March 10, 2006 Patent Application No. Filing date B. Patent No.(s) **NEW** March 21, 2006 ☐ Yes ☒ No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: BENJAMIN P. WESTOVER 7. Total fee (37 CFR 3.41):....\$ 40.00 Registration No. 56,612 Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: VOLENTINE FRANCOS & WHITT, PLLC ☐ Authorized to be charged to deposit account **ONE FREEDOM SQUARE** 8. Deposit account number: 11951 FREEDOM DRIVE, SUITE 1260 50-0238 City: RESTON State/Prov.: VA

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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.

BENJAMIN P. WESTOVER

Name of Person Signing

Deny PWest

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March 21, 2006

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PATENT REEL: 017714 FRAME: 0219

## **ASSIGNMENT**

|                                     | In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned   |  |  |
|-------------------------------------|--|--|--|
| Insert<br>Name(s) of<br>Inventor(s) | 1. Sung-Soo HEO  | 7.   |  |
| inventor(s)                         | 2.   | 8.   |  |
|                                     | 3.   | 9.   |  |
|                                     | 4  | 10   |  |
|                                     | 5  | _ 11   |  |
|                                     | 6  | 12.  |  |
| Insert                              | 6. 12. the undersigned hereby sell(s) and assign(s) to   |  |  |
| Name(s) of                          |  |  |  |
| Assignee(s) &                       |  | RONICS CO., LTD.                             |  |
|                                     |  | g, Yeongtong-gu,                             |  |
| Address(es)                         | of Suwon-si, Gyeon   | ggi-do, Republic of Korea                    |  |
| Invention  Date of Signing of       | for which an application for patent in the Un  | nited States of America has been executed by |  |
| Application                         | the undersigned on March 10th,   | 2006   |  |
|                                     | The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional 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 continuing. division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. |  |  |
|                                     | The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for 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 patent to the Assignee.   |  |  |
|                                     |  |  |  |

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**PATENT REEL: 017714 FRAME: 0220**  The undersigned hereby grant(s) the practitioners associated with the **CUSTOMER NUMBER 20987** 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 United States Patent Office for recordation of this document.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) 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.

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

| Date March 10th, 2006 | Signature of Inventor | Sung-Soo HEO |
|-----------------------|-----------------------|--------------|
| Date                  | Signature of Inventor |              |

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|                                    | mended that the execution by the Inventor(s) be gn here. However, the current practice of the U.S. in Assignment even it has not been witnessed.) |
|------------------------------------|---|
| Witness                            |   |
|                                    |   |
| Applicant Reference No. IH14419-US | -   |

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**RECORDED: 03/21/2006**