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Docket No.: 101-1462

| OMB No. 0651-0027 | |
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| To the Honorable Commissioner of Patents and Trademarks | s: Please record the attached original documents or copy thereof |
| 1. Name of Conveying party(ies): | 2. Name and address of receiving party(ies) |
| (1)Ju-han LEE; (2)Seung-hee LEE; | Name: |
| (3)Joon-hee LEE; (4)Jun-hae CHOI; | Samsung Electronics Co., Ltd |
| (5)In-hwan KIM; (6)Ji-hoon KIM; | g |
| (7)Ho-jeong YOU | Address: |
| | 416 Maetan-dong, Yeongtong-gu |
| Additional name(s) conveying party(ies) attached? Yes No | Suwon-si, Gyeonggi-do |
| 3. Nature of Conveyance: | Republic of Korea |
| Assignment | |
| Execution Date: November 13, 2006 | Additional name(s) & address(es) attached? |
| Application number(s) or patent number(s): If this document is being filed together with a new application | on, the execution date of the application is |
| A. Patent Application No.: | B. Patent No.(s): |
| 5. Name and address of party to whom correspondence | ttached: Yes No 6. Total number of applications and patents involved: 1_ |
| concerning document should be mailed: | 7. Total fee (37 CFR 3.41)\$ 40.00 |
| Name: | 7. Total fee (37 CFR 3.41) |
| Stanzione & Kim, LLP | ☐ Enclosed |
| | 8. Deposit account number: |
| Address: | , 69 |
| 919 18 th St., NW, Ste. 440 Washington, DC 20006 | 8. Deposit account number: |
| | 50-2827 |
| | (Attach duplicate copy of this page if paying by deposit accounts) |
| | E THIS SPACE |
| 9. Statement and signature. To the best of my knowledge and belief, the foregoi | ing information is true and correct and any attached |
| copy is a true copy of the original document. | $\bigcap \mathcal{M}_{\mathcal{U}_{\lambda}}$ |
| Seungman Kim | November 20, 3006 |
| Name of Person Signing Sign | November 20,3006 Date |
| Total number of pages including co | over sheet, attachments, and documents: 3 |

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U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG Electronics Co., Ltd. 416 Maetan-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Republic of Korea

4)

Jun-hae CHOI

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEB the entire and exclusive right, title and interest to the invention entitled

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| relating to International Patent Application PCTwas executed on even date herewith or, if not so executed | |
|--|--|
| (a) executed on 13 November 2006 | (Insert date of execution of application, if not concurrent) |
| (þ) filed on | |
| Serial No/ | *** Any registered attorney of Stanzione & Kim, LLP, 919 18th Street, N.W., Washington, D.C. 20006, is hereby authorized to insert in section (b) above the specified data, when known.** |
| substitute, relasue of reexamination application bases | : United States granted on said application and any continuation, division, renewal, it thereon, for the full term or terms for which the said Letters Patent(s) may be ively, hereinafter, "said application(s) and Letters Patent(s)"). |
| ASSIGNEE, to do all acts which the ASSIGNE maintaining and enforcing protection for said is application(s) and the issuance of said Letters I proceeding, and in any litigation or other legal | aid ASSIGNEE and without charge to but at the expense of said E may deem necessary, desirable or expedient, for accuring, avention, including in the preparation and prosecution of said Patent(s), in any interference, reissue, reexamination, or public use proceeding which may arise or be declared in relation to same, such acts pers, including separate assignments and declarations, taking all rightful g and producing evidence. |
| IN WITNESS WHEREOF, the undersigned inv | ventor(s) has (have) affixed his/her/their signature(s). |
| (Typed Name & Signature of Inventor(s)) | (Date) |
| 1) Juhan LEE | 13/ Nov/2006 |
| 2) Sour-Gr Chy Soung gi CHANG | h/Nov/2006 |
| 3) Joon-Hee Lee | 13/ Nov /2006 |
| 1) Junhae Choi | 13/Na /2006 |

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5) In Hwan Kim 13/Nov/2006.

In-hwan KIM

6) Ji hoon Kim 13/Nov/2006

Ji-hoon KIM

7) Wa Jasy Tsu 53/Nov/2006.

Ho-jeong YOU

PATENT

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