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| MODIUII D Form PTO-1595 (Rev. 10/02) | | N FORM COVER SHEET | U.S. DEPARTMENT OF COMMERCE |
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| 1. Name of conveying party(i | . ·s): | 2. Name and address of receiving | paπy(ies): |
| Seong-Kook SHIN | 1 | SAMSUNG ELECTRONICS CO. | |
| Young-yoon KIM Du-il KIM | • | 416, Maetan-dong, Yeongtong-gu, | r. |
| Jin-yong AHN | | Suwon-si, Gyeonggi-do, Republic of Korca | |
| Hyok-sung CHOI | | Republic of Korea | |
| Hee-yeon KIM | , | | |
| | n rty(ies) attached? □ Yes ☑ No | | |
| 3. Nature of conveyance: | | | |
| | l Merger | | |
| | Change of Name | | |
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| Execution Date: August 21, 2 | | Additional name(s) & address(es) attac | iched? 🗖 Yes 🛛 No |
| 4. Application number(s) or p | atent number(s); | | |
| If this document is being (i | i ed together with a new applicat | ation, the execution date of the applica | cation is: |
| A. Patent Application No. | , (š) | B. Patent No.(s) | |
| 11/491,102 | 1 | Unknown | |
| , <u> </u> | Additional numbers at | | |
| 5. Name and address of party | to whom correspondence | 6. Total number of applications an | nd patents involved: |
| concerning document shou | | 1 | 1 |
| SUGHRUE MION, PI | | 7. Total fee (37 CFR 3.41); | \$40.00 |
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| 1. Name of conveying party(ies) | Name and address of receiving party(ies): | | |
| Seong-kook SHIN Young-yoon KIM | SAMSUNG ELECTRONICS CO., LTD. | | |
| Du-il KIM | 416, Mac-tan-dong, Yeongtong-gu Suwon-si, Gyeonggi-do | | |
| Jin-yong AHN | REPUBLIC OF KOREA | | |
| Hyok-sung CHOI | | | |
| Hce-yeon KIM | | | |
| Additional name(s) of conveying party ics) attached? Yes Mo | | | |
| 3. Nature of conveyance: | | | |
| 🖾 Assignment 🔲 Marger | 1 | | |
| Security Agreement | | | |
| Other | | | |
| Execution Date: August 21, 200 | Additional name(s) & address(es) attached? Yes No | | |
| 4. Application number(s) or pate it number(s): | | | |
| If this document is being filed together with a new application | ation, the execution date of the application is: | | |
| A. Patent Application No.(s) | B. Patent No.(s) | | |
| 11/491,102 | Unknown | | |
| Additional numbers | l attached? □ Yes ☑ No | | |
| 5. Name and address of party to whom correspondence | 6. Total number of applications and patents involved: | | |
| concerning document should \text{\text{the mailed:}} | 1 | | |
| SUGHRUE MION, PLLC | 7. Total fee (37 CFR 3.41): \$40.00 | | |
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| Christopher R. Lipp Reg. No. | September 1, 2006 41,157 Date | | |
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2 004/007

Porket No. Q89351 For Non-U.S. Clients

Assignment

Whereas, Vie, Scong-kook SHIN of Seoul, Republic of Korea, Young-yoon KIM of Seoul, Republic of Korea; Du-il KIM of Suwon-si, Republic of Korea; Jin-yong AHN Suwon-si, Republic of Korea. Hyok-sung CHOI of Yongin-si, Republic of Korea; and Hee-yeon KIM of Suwon-si, Republic of Korea, hereinafter called assignors, have invented certain improvements in METHOD AND APPARATUS FOR CREATING LAST UNIFORM RESOURCE IDENTIFIER, AND RECORDING MEDIUM STORING PROGRAM FOR EXECUTING THE METHOD and executed an application for Letters Patent of the United States of America therefor on 21 ugust 2006; and

Whereas, S. MSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeongg i-do, Republic of Korca (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now thereft re, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §1 9, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Ps ent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assigns ϵ .

| Pennsyl | we hereby a thorize and request our attorneys SUGHRUE MION, PLLC of 2100 vania Aveni e, NW, Washington, DC 20037-3213 to insert here in parentheses |
|---------------|---|
| (Applic | ation number 11/491,102 and Confirmation number 4237 filed |
| <u>24 Jul</u> | y 2006 the application number and filing date of said application when known. |
| Date: | 21 August 2006 |
| Date: | SACON SHIN 21 August 2006 |
| Date: | s/Young-yook IM 21 August 2006 |
| Date: | 21 : ugust 2006 Um |
| Date: | 21 At gust 2006 |
| Date: | s/Hyok-sung CHOI |
| _ | s/Hcc-yeon KI VI |

(Legalization not require 1 for recording but is prime facic evidence of execution under 35 U.S.C. §261)

Docket No. Q89351 For Non-U.S. Clients

Assignment

Whereas, W:, Seong-kook SHIN of Seoul, Republic of Korea, Young-yoon KIM of Seoul, Republic of Lorea; Du-il KIM of Suwon-si, Republic of Korea; Jin-yong AHN Suwon-si, Republic of Korea; Hyok-sung CHOI of Yongin-si, Republic of Korea; and Hee-yeon KIM of Suwon-si, Republic of Korea, hereinafter called assignors, have invented certain improvements in METHOD AND APPARATUS FOR CREATING LAST UNIFORM RESOURCE IDENTIFIER, AND RECORDING MEDIUM STORING PROGRAM FOR EXECUTING THE METHOD and executed an application for Letters Patent of the United States of America therefor on ____21 / ugust_2006______; and

Whereas, S/ MSUNG ELECTRONICS CO., LTD., 416, Mactan-dong, Yeongtong-gu, Suwon-si, Gyeongg -do, Republic of Korea (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assigner(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §1 9, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Pa ent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assigns:

| <u>July 2006</u> Date: | the application number and filing date of said application when known. |
|---------------------------|--|
| | a/Seong-kook SHIN |
| nte: | |
| | s/Young-yoon KIM |
| ątc: | |
| | a/Du-jl KIM |
| nte: | |
| | ₂/Jin-yong AHN |
| ate; | |
| | s/Hyok-sung CHOI |
| Date: | 1000 21 August 2006 |
| | v/Hocycon KIM |

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PATENT REEL: 018425 FRAME: 0546

RECORDED: 10/23/2006