

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
|---|---|----------------|---------------------|------------|--------------|------------|---------------|------------|---------------|------------|-------------|------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Ja Yol LEE</td><td>09/09/2009</td></tr><tr><td>Seong Do KIM</td><td>09/09/2009</td></tr><tr><td>Mun Yang PARK</td><td>09/09/2009</td></tr><tr><td>Cheon Soo KIM</td><td>09/09/2009</td></tr><tr><td>Hyun Kyu YU</td><td>09/09/2009</td></tr></tbody></table> | Name | Execution Date | Ja Yol LEE | 09/09/2009 | Seong Do KIM | 09/09/2009 | Mun Yang PARK | 09/09/2009 | Cheon Soo KIM | 09/09/2009 | Hyun Kyu YU | 09/09/2009 | |
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| Cheon Soo KIM | 09/09/2009 | | | | | | | | | | | | |
| Hyun Kyu YU | 09/09/2009 | | | | | | | | | | | | |
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| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13098332</td></tr></tbody></table> | Property Type | Number | Application Number: | 13098332 | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 13098332 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
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| NAME OF SUBMITTER: | Steven M. Rabin | | | | | | | | | | | | |
| Total Attachments: 3 source=CSL-132-Asg#page1.tif source=CSL-132-Asg#page2.tif source=CSL-132-Asg#page3.tif | | | | | | | | | | | | | |

OP \$40.00 13098332

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PATENT
REEL: 026204 FRAME: 0857

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Ja Yol LEE, residing in, 108-1501 Samsung Hanul Apt., Sinseong-dong, Yuseong-gu, Daejeon 305-707, Republic of Korea; Seong Do KIM, residing in, 104-1705 Narae Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-729, Republic of Korea; Mun Yang PARK, residing in, 109-105 Hanmaeul Apt., 200-4 Songgang-dong, Yuseong-gu, Daejeon 305-756, Republic of Korea; Cheon Soo KIM, residing in, 132-803 Hanbit Apt., Eoeun-dong, Yuseong-gu, Daejeon 305-755, Republic of Korea and Hyun Kyu YU, residing in, 807-301 Yeolmaemaoul 8 danji Saemirae Apt., Noeun-dong, Yuseong-gu, Daejeon 305-768, Republic of Korea, hereinafter referred to collectively as the assignor, has invented a certain improvement relating to DIGITAL LOCK DETECTOR AND FREQUENCY SYNTHESIZER USING THE SAME,

[X] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;
 [] said application having been filed in the United States Patent and Trademark Office on _____, authorization being hereby given to my attorneys, Steven M. Rabin, Robert H. Berdo, Jr., Phillip G. Avruch and Allen Wood of RABIN & BERDO, P.C., 1101 14th Street, N.W., Washington, D.C. 20005, to insert here in parentheses (Application Serial No. _____) the application serial number of said application when known;

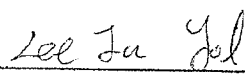


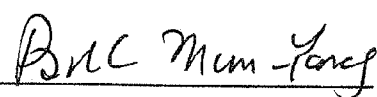
AND WHEREAS ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE of the Republic of Korea, having a place of business at 161 Gajeong-dong, Yuseong-gu, Daejeon 305-350, Republic of Korea, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.


AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 9th day of September, 2009.

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