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Hyun Soo CHAE
Jung Eun LEE
Chun Deok SUH
Hoon Tae KIM

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
SAMSUNG ELECTRONICS CO., LTD.
416, Maetan-dong, Yeongtong-gu
Suwon-si, Gyeonggi-do
REPUBLIC OF KOREA

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3. Nature of conveyance:
 Assignment Merger
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Execution Date: September 27, 2006

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4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: September 27, 2006
A. Patent Application No.(s)
Not Yet Assigned

B. Patent No.(s)
Unknown

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
SUGHRUE MION, PLLC
WASHINGTON OFFICE
23373
CUSTOMER NUMBER

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41): \$40.00
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October 26, 2006

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Assignment

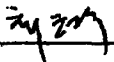
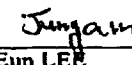


Whereas, we, Hyun Soo CHAE of Seoul, Republic of Korea; Jung Eun LEE of Yongin-si; Chun Deok SUH of Seoul, Republic of Korea and Hoon Tae KIM of Suwon-si, Republic of Korea, hereinafter called assignors, have invented certain improvements in SYSTEM AND METHOD FOR SELF CALIBRATING VOLTAGE-CONTROLLED OSCILLATOR and executed an application for Letters Patent of the United States of America therefor on _____; and

Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-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 assignors, 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. §119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent 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 assignee.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____ and Confirmation number _____, filed _____) the application number, the confirmation number and the filing date of said application when known.

| | | |
|-------|---|------------|
| Date: |  | 2006.09.27 |
| | _____ | _____ |
| | s/Hyun Soo CHAE | |
| Date: |  | 2006.09.27 |
| | _____ | _____ |
| | s/Jung Eun LEE | |
| Date: |  | 2006.09.27 |
| | _____ | _____ |
| | s/Chun Deok SUH | |
| Date: |  | 2006.09.27 |
| | _____ | _____ |
| | s/Hoon Tae KIM | |

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