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SONG, Doo Guen
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Name: **SAMSUNG ELECTRONICS CO., LTD.**
Address: **416, Maetan-dong, Yeongtong-gu,**
City: **Suwon-si, Gyeonggi-do,** State/Prov.:
Country: **Republic of Korea** ZIP:
Additional name(s) & address(es) Yes No

3. Nature of conveyance:
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Execution Date: **February 4, 2004**

4. 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: **February 4, 2004**
Patent Application No. **NEW** Filing date **FEBRUARY 12, 2004**
02776594 00000000 10776594
02 FC:0000 40.00 DP
Additional numbers Yes No

B. Patent No.(s)
10776594
 Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **ADAM C. VOLENTINE**
Registration No. **33289**
Address: **VOLENTINE FRANCOS, PLLC**
12200 SUNRISE VALLEY DRIVE, SUITE 150
City: **RESTON** State/Prov.: **VA**
Country: **U.S.A.** ZIP: **20191**

6. Total number of applications and patents involved: **1**
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ADAM C. VOLENTINE *[Signature]* **FEBRUARY 12, 2004**
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VOLENTINE FRANCOS, P.L.L.C. (9/2001)

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s)
of Inventor(s)

Doo Guen SONG

Insert Name(s)
of Assignee(s)

the undersigned hereby sell(s) and assign(s) to
Samsung Electronics Co., Ltd.
of 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea

Title of
Invention

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

METHOD OF TESTING LEVEL OF ION IMPLANTATION ENERGY IN ION IMPLANTATION EQUIPMENT

Date of
Signing of
Application

for which an application for patent in the United States of America has been executed by the undersigned on February 4, 2004

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.

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.

VOLENTINE FRANCOS, P.L.L.C. (9/2001)

The undersigned hereby grant(s) to Adam C. Volentine, Reg. No. 33,289 and William S. Francos, Reg. No. 38,456, and the firm of VOLENTINE FRANCOS, P.L.L.C. 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.

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

Date 2004. 2.04 , Name of Inventor 
 Date _____ , Name of Inventor _____
 Date _____ , Name of Inventor _____
 Date _____ , Name of Inventor _____
 Date _____ , Name of Inventor _____
 Date _____ , Name of Inventor _____

Doo Guen SONG

(Note regarding Witnessing and/or Acknowledgment: Acknowledgment before a United States Consul is preferred but not required. If not acknowledged, then it is recommended that the execution by the Inventor(s) be witnessed by at least two witnesses who sign here. However, the current practice of the U.S. Patent and Trademark Office is to record an Assignment even it has not been acknowledged and/or witnessed.)

Witness _____
Witness _____

ACKNOWLEDGMENT

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Applicant Reference No. PX1611-US/SSD Atty Docket No. SEC.1124