

04-02-2003



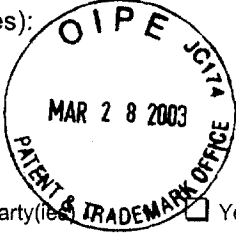
102407453

Tab settings

To the Honorable Commissioner of Pat. and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Gyu-hong KIM

3.28.03
Additional names(s) of conveying party(ies) Yes No



2. Name and address of receiving party(ies):
Name: **Samsung Electronics Co., Ltd.**
Address: **416 Maetan-dong, Paldal-gu**

City: **Suwon-city, Kyungki-do** State/Prov.: _____
Country: **Republic of Korea** ZIP: _____
Additional name(s) & address(es) Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: **November 19, 2001**

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: _____
Patent Application No. Filing date
09/993,770 **November 27, 2001**
Additional numbers Yes No

6. Total number of applications and patents involved: **1**

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **Kenneth D. Springer**
Registration No. **39,843**
Address: **VOLENTINE FRANCOS, P.L.L.C.**
12200 Sunrise Valley Drive, Suite 150

City: **Reston** State/Prov.: **VA**
Country: **U.S.A.** ZIP: **20191**

7. Total fee (37 CFR 3.41):.....\$ **40.00**
 Enclosed - Any excess or insufficiency should be credited or debited to deposit account
 Authorized to be charged to deposit account

8. Deposit account number:
50-0238
(Attach duplicate copy of this page if paying by deposit account)

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19. Declaration and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

KENNETH D. SPRINGER
Name of Person Signing

28 MARCH 2003
Date

Total number of pages including cover sheet, attachments, and **3**

12-04-2001



101905700

Docket No.: SEC.856

SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Gyu-hong KIM

11/27/01

Additional names(s) of conveying party(ies) Yes No

2. Name and address of receiving party(ies):

Name: Samsung Electric Co., Ltd.

Address: 416 Maetan-dong, Paldal-gu

11/27/01
jc821 U.S. PTO
09/993770



3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: November 19, 2001

City: Suwon-city, Kyungki-do State/Prov.:

Country: Republic of Korea ZIP:

Additional name(s) & address(es) Yes No

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: November 19, 2001

Patent Application No.	Filing date	B. Patent No.(s)
(NEW)	November 27, 2001	

11/29/2001 AOSMAN1 00000015 09993770

02 FC:581

40.00 DP

Additional numbers Yes No

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9. Statement and signature.

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KENNETH D. SPRINGER

27 NOVEMBER 2001

Name of Person Signing

Signature

3

Date

Total number of pages including cover sheet, attachments, and

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)

Gyu-hong KIM

and

Insert Name(s)
of Assignee(s)

the undersigned hereby sell(s) and assign(s) to

Samsung Electronics Co., Ltd.

Address

of 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea

(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

Title of
Invention

MEMORY DEVICE FOR REDUCING REFRESH NOISE

Date of Signing
of Application

for which an application for patent in the United States of America has been executed by the undersigned

on November 19, 2001

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 continuation, 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.

The undersigned hereby grant(s) to Adam C. Volentine, Reg. No. 33,289, and the firm of VOLENTINE FRANCO, 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 Nov. 19, 2001, Name of Inventor Gyu-hong Kim
Gyu-hong KIM
Date _____, Name of Inventor _____
Date _____, Name of Inventor _____
Date _____, Name of Inventor _____
Date _____, Name of Inventor _____

(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 if it has not been acknowledged and/or witnessed.)

Witness _____
Witness _____

ACKNOWLEDGMENT

_____ } ss

This _____ day of _____, 19____, before me personally came the above-named _____

to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

Official Signature

Official Title

SEAL

Applicant Reference No.: SS-15335-US Atty Docket No.: SEC.856
Serial No.: _____ Filing Date: _____

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)

Gyu-hong KIM

and

Insert Name(s)
of Assignee(s)

the undersigned hereby sell(s) and assign(s) to

Samsung Electronics Co., Ltd.

Address

of 416, Maetan-dong, Paidal-gu, Suwon-city, Kyungki-do, Republic of Korea

(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

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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.

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

Date Nov. 19, 2001, Name of Inventor Gyu-hong Kim
Gyu-hong KIM

Date _____, Name of Inventor _____

Date _____, Name of Inventor _____

Date _____, Name of Inventor _____

Date _____, Name of Inventor _____

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