

08-19-1999

Docket No.: SEC.445

FORM PTO-1595 (Modified)  
(Rev. 6-93)  
OMB No. 0651-0011 (exp.4/94)  
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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



101101985

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):

Kyu-Chul CHONG  
Heon-Jong SHIN



Additional names(s) of conveying party(ies)

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

Name: Samsung Electronics Co., Ltd.

Address: 416, Maetan-dong, Paldal-gu, Suwon-city

3. Nature of conveyance:

4-29-99

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other

Execution Date: December 30, 1998

City: Kyungki-do State/Prov.: \_\_\_\_\_

Country: Republic of Korea ZIP: \_\_\_\_\_

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

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: December 30, 1998

Patent Application No.	Filing date
09/223,173	December 30, 1998

B. Patent No.(s)

Additional numbers  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: SUSAN S. MORSE

Registration No. 35,292

Address: JONES & VOLENTINE, L.L.P.

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

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

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05/04/1999 INHUYEN 00000343 09223173

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9. Statement 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.

SUSAN S. MORSE

APRIL 29, 1999

Name of Person Signing

Signature

Date

5

Total number of pages including cover sheet, attachments, and

01-19-1999

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Tab settings

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**Kyu-Chul CHONG**  
**Heon-Jong SHIN**

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, Suwon-city**

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: **December 24, 1998**

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: **December 24, 1998**

Patent Application No. \_\_\_\_\_ Filing date \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

Additional numbers  Yes  No

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**SUSAN S. MORSE**

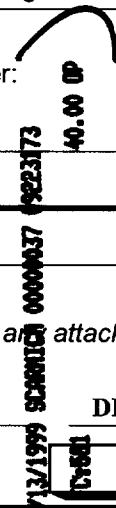
**DECEMBER 30, 1998**

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and



PATENT

REEL: 010029 FRAME: 0642

JONES &  
VOLENTINE,  
L.L.P. (1997)

# 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) Kyu-Chul CHONG  
Heon-Jong SHIN and

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

Insert Name(s) of Assignee(s) Samsung Electronics Co., Ltd.  
of 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea

Address (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

SEMICONDUCTOR DEVICE AND METHOD OF FABRICATING THE SAME

Title of Invention for which an application for patent in the United States of America has been executed by the undersigned on December 30, 1998

Date of Signing of Application 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 Raymond C. Jones, Reg. No. 34,631 and Adam C. Volentine, Reg. No. 33,289, members of the firm of JONES & VOLENTINE, L.L.P. 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 December 30, 1998, Name of Inventor Kyu-Chul CHONG  
 Date December 30, 1998, Name of Inventor Heon Jong SHIN  
 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 Young-Ae PARK  
 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.: P6614/SS/cys Atty Docket No.: SEC.445  
 Serial No.: \_\_\_\_\_ Filing Date: \_\_\_\_\_