

08-02-2002

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Patent and Trademark Office



102177688

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

1. Name of conveying party(ies):

**BAE, Jong-Yong**  
**LEE, Seung-Hwan**

7-25-02

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

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

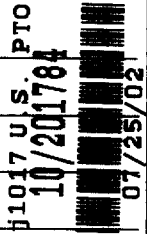
Name: **SAMSUNG ELECTRONICS CO., LTD.**

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: **JULY 19, 2002**

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

10,201,784

If this document is being filed together with a new application, the execution date of the application is: **JULY 19, 2002**

Patent Application No.	Filing date
NEW	JULY 25, 2002

B. Patent No.(s)

07/29/2002 MBIZUNES 00000054 10201784  
03 FC 581 40.00 OP

Additional numbers  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**

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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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.

**ADAM C. VOLENTINE**

Name of Person Signing

Signature

**JULY 25, 2002**

Date

**3**

Total number of pages including cover sheet, attachments, and

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

**PATENT**  
**REEL: 013131 FRAME: 0897**

VALENTINE  
FRANCOS,  
P.L.L.C. (197001)

## 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)

BAE, Jong-Yong

LEE, Seung-Hwan

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

SAMSUNG ELECTRONICS CO., LTD.

Insert Name(s)  
of Assignee(s)

of 416, Maetan-dong, Paldal-gu, Suwon-si, Gyeonggi-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

METHOD OF FORMING AN ALUMINUM FILM FOR USE IN MANUFACTURING A SEMICONDUCTOR  
DEVICE

Title of  
Invention

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

on July 19, 2002

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 continuation 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 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 19-July-2002 Name of Inventor Jong-Yong Bae  
Jong-Yong BAE

Date 19-July-2002 Name of Inventor Seung-Hwan Lee  
Seung-Hwan LEE

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

SEAL

Official Title

Applicant Reference No.: AW7017US/IW Atty Docket No.: SEC.952

Serial No. \_\_\_\_\_ Filing Date: \_\_\_\_\_