

10/31/03

Docket No.: SEC.1049

FORM PTO-1595 (Modified)
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11-07-2003

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To the Honorable Director of the United States Patent and Trademark Office

102595891

attached original documents or copy thereof.

1. Name of conveying party(ies):

Jin-Sung KIM
Young-Nam KIM
Hyun-Dam JEONG
Sun-Young LEE

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

22389 U.S. PTO

10/697053



3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

City: Suwon-city, Gyeonggi-do

State/Prov.:

Country: Republic of Korea

ZIP:

Execution Date: October 21, 21, 21 & 22, 2003

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: October 21 & 22, 2003

Patent Application No.

Filing date

B. Patent No.(s)

NEW

October 31, 2003

10/697053

Additional numbers

☐ Yes ☒ No

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

Name: ADAM C. VOLENTINE

Registration No. 33,289

Address: VOLENTINE FRANCO, P.L.L.C.

12200 SUNRISE VALLEY DRIVE, SUITE 150

City: RESTON

State/Prov.: VA

Country: USA

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

OCTOBER 31, 2003

Date

3

Total number of pages including cover sheet, attachments, and document:

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

REEL: 014659 FRAME: 0954

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)**

Jin-Sung KIM

Young-Nam KIM

Hyun-Dam JEONG

Sun-Young LEE

**Insert
Name(s) of
Assignee(s) &**

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

SAMSUNG ELECTRONICS CO., LTD.

Address(es)

of 416, Maetan-dong, Paldal-gu, Suwon-city, 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 FORMING A POROUS MATERIAL LAYER IN A SEMICONDUCTOR
DEVICE

**Date of
Signing of
Application**

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

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.

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 October 21, 2003, Signature of Inventor Jin-Sung Kim
Jin-Sung KIM

Date October 21, 2003, Signature of Inventor Young-Nam Kim
Young-Nam KIM

Date October 21, 2003, Signature of Inventor Hyun-Dam Jeong
Hyun-Dam JEONG

Date October 22, 2003, Signature of Inventor Sun-Young Lee
Sun-Young LEE

Date _____, Signature of Inventor _____

Date _____, Signature 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 it has not been acknowledged and/or witnessed.)

Witness _____

Witness _____

ACKNOWLEDGMENT

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Applicant Reference No. SPX200210-0005US Atty Docket No. SEC.1049