

FORM PTO-1595 (Modified)
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)
Copyright 1996-97 LegalStar
P08A/REV02

REC

07-06-1999

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



101083361

Tab settings

MD 6-21-99

PTO
09/336751
06/21/99

To the Honorable Commissioner of Patents and Trademarks, please return the attached original documents with this proof.

1. Name of conveying party(ies):

NAM, Ki-heum
LEE, Yang-koo

2. Name and address of receiving party(ies)

Name: Samsung Electronics Co., Ltd.

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

Additional names(s) of conveying party(ies)

Yes No

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other

City: Suwon-city, Kyungki-do,

State/Prov.:

Country: Republic of Korea

ZIP:

Execution Date: June 14, 1999

Additional name(s) & address(es)

Yes No

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

09/336751

If this document is being filed together with a new application, the execution date of the application is: June 14, 1999

Patent Application No.

Filing date

B. Patent No.(s)

Additional numbers

Yes No

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

Name: RAYMOND C. JONES

Registration No. 34,631

Address: JONES VOLENTINE, LLP

07/01/1999 BFLD7D 00000001 09336751

02 FC:581 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

DO NOT USE THIS SPACE

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.

RAYMOND C. JONES

Raymond C. Jones

JUNE 21, 1999

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and

3

PATENT

JONES,
VOLENTINE,
STEINBERG &
WHITT, L.L.P.
(1/99)

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)** Ki-heum NAM
Yang-koo LEE
_____ 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, The 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
DIFFUSION SYSTEM HAVING AIR CURTAIN FORMATION FUNCTION
FOR MANUFACTURING SEMICONDUCTOR DEVICES AND METHOD OF
CONTROLLING THE SAME

**Date of Signing
of Application** for which an application for patent in the United States of America has been executed by the undersigned
on June 14, 1999

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, Adam C. Volentine, Reg. No. 33,289, Neil A. Steinberg, Reg. No. 34,735 and Stephen R. Whitt, Reg. No. 34,753, members of the firm of JONES, VOLENTINE, STEINBERG & WHITT, 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 June 14, 1999, Name of Inventor Ki-heum NAM
Ki-heum NAM

Date June 14, 1999, Name of Inventor Yang-koo 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 Jungin Jang

Witness [Signature]

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.: SS-9804-128-US Atty Docket No.: SEC.615

Serial No.: _____ Filing Date: _____