

10-15-2001



HEET

U.S. DEPARTMENT OF COMMERCE
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101872950

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

1. Name of conveying party(ies):

KIM, Hong-Guen
KIM, Bi-Cher

10/05/01

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

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

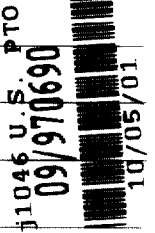
Name: **SAMSUNG ELECTRONICS CO., LTD.**

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: **September 18, 2001**

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

09/970690

If this document is being filed together with a new application, the execution date of the application is: **September 18, 2001**

Patent Application No.	Filing date
NEW	OCTOBER 5, 2001

B. Patent No.(s)

10/09/2001 ANABI1 00000033 09970690
03 FC:581 40.00 DP

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

OCTOBER 5, 2001

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

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

KIM, Hong-Guen

Insert Name(s)
of Inventor(s)

KIM, Bi-Cher

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

Insert Name(s)
of Assignee(s)

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

SEMICONDUCTOR WAFER BOAT HAVING STACKABLE INDEPENDENTLY REPLACEABLE

BOAT PARTS AND VERTICAL HEAT-TREATING APPARATUS COMPRISING APPARATUS

COMPRISING 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 September 18, 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.

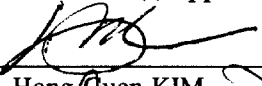
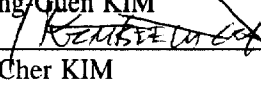
The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

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 JONES VOLENTINE, 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 September 18, 2001, Name of Inventor  Hong-Guen Kim
Date September 18, 2001, Name of Inventor  Bi-Cher KIM
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.: SPX2001010008US Atty Docket No.: SEC.878
Serial No.: _____ Filing Date: _____