

06-11-1998

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To the Honorable Commissioner of Pa.

100735990

Please enclose the attached original documents or copy thereof.

1. Name of conveying party(ies):

1) YOON, Jin Hyun 5) CHUNG, Myung Kee
2) PARK, Gi Bum
3) HONG, In Pyo
4) KIM, Yong

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

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

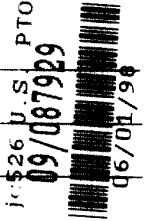
Name: Samsung Electronics Co., Ltd.Address: 416, Maetan-dong, Paldal-gu,City: Suwon-city, Kyungki-do,

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: May 4, 10, 7, 11, 7, 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: 5/4, 10, 7, 11, 7/98

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. JONESRegistration No. 34,631Address: JONES & VOLENTINE, L.L.P.12200 SUNRISE VALLEY DRIVE, SUITE 150City: RESTONState/Prov.: VACountry: 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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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

Name of Person Signing

Signature

PATENT 3

JUNE 1, 1998

Date

Total number of pages including cover sheet, attachments, and

REF ID: A611055

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 Hyun YOON
Gi Bum PARK

In Pyo HONG and
Yong KIM and Myung Kee CHUNG

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-ku, Suwon-city, Kyungki-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 MANUFACTURING A CIRCUIT BOARD HAVING METAL BUMPS AND A SEMICONDUCTOR DEVICE PACKAGE 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 May 4, 10, 11, 12, 1998

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 May 4, 1998, Name of Inventor Jin Hyun Yoon
Jin Hyun YOON
Date May 10, 1998, Name of Inventor Gi Bum Park
Gi Bum PARK
Date May 7, 1998, Name of Inventor In Pyo Hong
In Pyo HONG
Date May 11, 1998, Name of Inventor Yong Kim
Yong KIM
Date May 9, 1998, Name of Inventor Myung Kee Chung
Myung Kee CHUNG

(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.

SEAL

Official Signature

Official Title

Applicant Reference No.: SS97USG033

Atty Docket No.: SEC.353

PATENT

RECORDED: 06/01/1998

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