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

1. Name of conveying party(ies):

June-key LEE
Chang-jung KIM
Il-sub CHUNG

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

Name: Samsung Electronics Co., Ltd.Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Internal Address: _____

Street Address: 416 Maetan-dong, Paldal-gu

3. Name of Conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other

City: Suwon-city, Kyungki-doState: Republic of Korea Zip: _____Execution Date: June 17, 1999Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is: June 17, 1999

A. Patent Application No(s).

09 348477

B. Title of Invention:

METHOD FOR CLEANING PZT THIN FILM

Additional numbers attached?



Yes



No

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

Name: G. Franklin RothwellInternal Address: Rothwell, Figg, Ernst & Kurz, P.C.Street Address: 555 Thirteenth Street, N.W.Suite 701, East TowerCity: WashingtonState: D.C. Zip 200046. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): . . . \$ 40.00

Enclosed



Authorized to be charged to deposit account

8. Deposit Account Number:

02-2135

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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.

G. Franklin Rothwell, Reg. No. 18,125

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and documents: 2

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, I/We June-key Lee, a citizen of Republic of Korea,
First Named Inventor

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Third Named Inventor, if any

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Address

_____, a citizen of _____,
Fourth Named Inventor, if any

residing at _____,
Address

ASSIGNOR(S), am/are the inventor(s) of an invention in (insert title) _____

METHOD FOR CLEANING PZT THIN FILM

for which I/we have executed an application for Letters Patent of the United States,

☐ of even date herewith;

(Check One)

☐ U.S. Serial Number _____ filed _____;

☐ International Application No. PCT/ _____ filed _____;

and

WHEREAS, Samsung Electronics Co., Ltd. of 416 Maetan-dong, Paldal-gu,
Assignee Citizenship or Corporate Situs Address
Suwon-city, Kyungki-do, Rep. of Korea

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(S) have sold, assigned, transferred and set over these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, entire right, title and interest in, to and under the said invention, and the said application and all divisions, renewals and continuations and all Letters Patent of the United States which may be granted thereon and all reexamination certificates, reissues and extensions thereof and I/we hereby authorize and request the Commissioner of Patents of the United States, to issue all Letters Patent for said invention said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I/WE HEREBY covenant that I/we have the full right to convey the entire interest herein assigned, and that I/we have executed, and will not execute, any agreement in conflict herewith.

AND I/WE HEREBY further covenant and agree that I/we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me/us respecting said invention, and testify in any legal proceeding, sign all lawful execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention at the time of the ASSIGNEE.

IN TESTIMONY WHEREOF, I/we hereunto set my/our hand(s) and seal(s) the day and year set opposite my/our sign

June Key Lee
Chang Jung Kim
Il Sub Chung

L.S. Date 6/17
 L.S. Date 6/17
 L.S. Date 6/17
 L.S. Date _____

Witness:

Name

Date

Name

Date

Foreign Inventor Sign