

PATENT APPLICATION
Docket No. 5484-144
Client No. PX1767-US/SSD

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Please record the attached original document or copy thereof and return the recorded instrument to the undersigned.

1. Name of party(ies) conveying an interest: Ji-Young KIM
2. Name and address of party(ies) receiving an interest: Samsung Electronics Co., Ltd.
416 Maetan-dong, Yeongtong-gu,
Suwon-si, Gyeonggi-do
Korea (South)

3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name ☐ Security Agreement ☐ Merger

Date of execution of attached document: December 16, 2004

4. Application number(s) or patent number(s). Additional sheet attached? Yes ___ No X

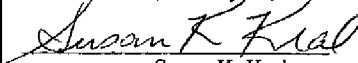
If this document is being filed together with a new application, the execution date of the application is:

Patent Application No. 11/067,282, filed on 25 Feb 2005

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

MARGER JOHNSON & McCOLLOM, P.C.
1030 S.W. Morrison Street
Portland, Oregon 97205
Telephone: (503) 222-3613

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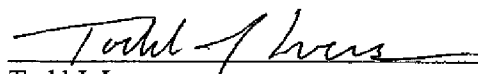

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6. Number of applications and patents involved: 1
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Dated: May 17, 2005

Respectfully submitted,
MARGER JOHNSON & McCOLLOM, P.C.

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Todd J. Iverson
Reg. No. 53,057

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03/31/2005
700166768PATENT APPLICATION
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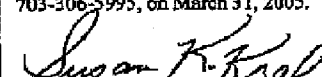
Date of execution of attached document: December 16, 2005

4. Application number(s) or patent number(s). Additional sheet attached? Yes ___ No X

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Susan K. Kral


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Dated: March 31, 2005

Respectfully submitted,
MARGER JOHNSON & McCOLLOM, P.C.
Todd J. Iverson

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PATENT APPLICATION
Docket No. 5484-144
Client Ref. No. PX1767-US/SSD

ASSIGNMENT

U.S.A. Patent Application
Sole or Joint
For Inventions Made Outside U.S.A.
Executed With Application

In consideration of the sum of Ten Dollars (10.00) and other good and valuable considerations paid to each of the undersigned, to wit:

(1) **Jl-Young KIM**

☐ X If continued on separate page

the receipt and sufficiency of which are hereby acknowledged by the undersigned who hereby sell(s), assign(s) and transfer(s) unto:

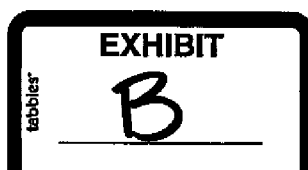
SAMSUNG ELECTRONICS CO., LTD.
416 MAETAN-DONG, YEONGTONG-GU
SUWON-SI, GYEONGGI-DO
REPUBLIC OF KOREA

(hereinafter designated "ASSIGNEE") the entire right, title and interest in and to the invention as defined in 35 USC §100, for the United States of America, the invention entitled:

**VERTICAL TRANSISTOR STRUCTURE FOR USE IN SEMICONDUCTOR
DEVICE AND METHOD OF FORMING THE SAME**

for which an application for Letters Patent of the United States of America has been executed even date herewith by the undersigned, and in and to any and all divisionals, continuations, substitutes, and reissues thereof; and all resulting patents and the undersigned hereby authorizes and requests the United States Assistant Commissioner of Patents to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

And the undersigned hereby agrees to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.



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SIGNED ON THE DATES INDICATED BESIDE OUR SIGNATURES:

INVENTOR(S)	DATE SIGNED	WITNESSED
(1) <u>Ji Young Kim</u> Ji-Young KIM	<u>Dec. 16, 2005</u>	_____

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Alan T. McCollom
Marger Johnson & McCollom
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Portland, OR 97205

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<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSED</u>
(1) <u>Ji Young Kim</u> Ji-Young KIM	<u>Dec. 16, 2005</u>	_____

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