

06-12-2006

ET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Tab settings → → → ▼ ▼



103255237

6-5-06

To the Director of the United States Pa.

Patent Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jong-Seon AHN, Eun-Kuk CHUNG, Kyung-Tae JANG
Joon, KIM, Hyung-Mo YANG,
Jin-Hong KIM, Chang-Yeon YOO,
Suk-Chul BANG, Yun-Seung KANG,

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

02/24/06, 02/24/06, 02/24/06, 02/24/06, 02/25/06

Execution Date: 02/26/06, 02/27/06, 02/27/06, 02/27/06

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

Name: Samsung Electronics Co., Ltd.

Address: 416, Maetan-dong, Yeongtong-gu, Suwon-si

City: Gyeonggi-do State/Prov.:

Country: Republic of Korea ZIP:

Additional name(s) & address(es)

☐ Yes ☒ No

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

02/24/06, 02/24/06, 02/24/06, 02/24/06

02/25/06, 02/26/06, 02/27/06,

If this document is being filed together with a new application, the execution date of the application is: 02/27/06, 02/27/06

Patent Application No.

Filing date

B. Patent No.(s)

NEW

June 5, 2006

Additional numbers

☐ Yes ☒ No

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

Name: STEPHEN R. WHITT

Registration No. 34,753

Address: VOLENTINE FRANCOS & WHITT, PLLC

ONE FREEDOM SQUARE

11951 FREEDOM DRIVE, SUITE 1260

City: RESTON State/Prov.: VA

Country: USA ZIP: 20190

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)

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.

STEPHEN R. WHITT

Name of Person Signing

Signature

June 5, 2006

Date

Total number of pages including cover sheet, attachments, and document:

3

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services
Director of the United States Patent and Trademark Office
P.O. Box 1450, Alexandria, VA 22313-1450

06/07/2006 FFANAI2 00000052 11446151

01 FC:8021

40.00 OP

PATENT
REEL: 017942 FRAME: 0091

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)**

- | | |
|-------------------------|--------------------------|
| 1. <u>Jong-Seon AHN</u> | 6. <u>Hyung-Mo YANG</u> |
| 2. <u>Joon KIM</u> | 7. <u>Chang-Yeon YOO</u> |
| 3. <u>Jin-Hong KIM</u> | 8. <u>Yun-Seung KANG</u> |
| 4. <u>Suk-Chul BANG</u> | 9. <u>Kyung-Tae JANG</u> |
| 5. <u>Eun-Kuk CHUNG</u> | 10. _____ |

**Insert
Name(s) of
Assignee(s) &**

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

Address(es)

_____ SAMSUNG ELECTRONICS CO., LTD.
416, Maetan-dong, Yeongtong-gu,
Suwon-si, Gyeonggi-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

SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME

**Date of
Signing of
Application**

for which an application for patent in the United States of America has been executed by
2/24/2006, 2/24/2006, 2/24/2006, 2/24/2006,
the undersigned on 2/25/2006, 2/26/2006, 2/27/2006, 2/27/2006, 2/27/2006

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 continuing, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.


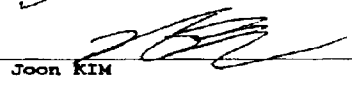


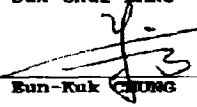
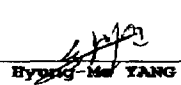



The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

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) the practitioners associated with the **CUSTOMER NUMBER 20987** 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 <u>2006.2.24</u>	Signature of Inventor	 Jong-Seon AHN
Date <u>2006.2.24</u>	Signature of Inventor	 Joon KIM
Date <u>2006.2.24</u>	Signature of Inventor	 Jin-Bong KIM
Date <u>2006.2.24</u>	Signature of Inventor	 Suk-Chul BANG
Date <u>2006.2.25</u>	Signature of Inventor	 Eun-Rak CHUNG
Date <u>2006.2.26</u>	Signature of Inventor	 Hyung-Mu YANG
Date <u>2006.2.27</u>	Signature of Inventor	 Chang-Yeon YOO
Date <u>2006.2.27</u>	Signature of Inventor	 Yun-Seung KANG
Date <u>2006.2.27</u>	Signature of Inventor	 Kyung-Tae JANG

(Note regarding Witnessing: 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 it has not been witnessed.)

Witness _____

Witness _____

Applicant Reference No. AX2046US/MS