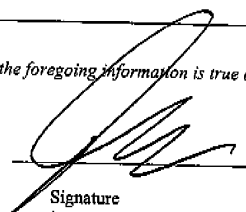


ASSIGNMENT RECORDATION FORM COVER SHEET *Patents Only*

To: Commissioner for Patents:		Date: August 5, 2005 Attorney Docket No. 5649-1583
Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): [1.] Yong-Won Cha [2.] Kyu-Tae Na [3.] Yong-Soon Choi [4.] Eun-Kee Hong [5.] Ju-Seon Goo Additional name(s) of conveying party(ies) attached? ___ Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Samsung Electronics Co., Ltd. 416 Maetan-dong Yeongtong-gu Suwon-si Gyeonggi-do Republic of Korea Additional name(s) & address(es) attached? ___ Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: [1.] May 18, 2005 [2.] May 18, 2005 [3.] May 18, 2005 [4.] May 23, 2005 [5.] May 18, 2005		
4. Application Serial No. <u>11/149,307</u> Patent No. _____ If this document is being filed together with a new application, the execution date of the application is: _____ Additional numbers attached? ___ Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Robert N. Crouse Myers Bigel Sibley & Sajovec P. O. Box 37428 Raleigh NC 27627	6. Total number of applications and patents involved: _____ 7. Total fee (37 CFR 3.41) \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account	
8. Deposit account number: 50-0220		
DO NOT USE THIS SPACE		
9. Statement and signature <i>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.</i> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <u>Robert N. Crouse, Reg. No. 44,635</u> </div> <div style="width: 30%; text-align: center;">  </div> <div style="width: 30%; text-align: right;"> <u>August 5, 2005</u> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;">Name of Person Signing</div> <div style="width: 30%; text-align: center;">Signature</div> <div style="width: 30%; text-align: right;">Date</div> </div> Total number of pages including cover sheet, attachments and document: <u>10</u>		
Certificate of Mailing under 37 CFR 1.8 I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on August 5, 2005 Signature: <u>Evelyn Casey</u> Date of Signature: <u>August 5, 2005</u>		

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PATENT
REEL: 016613 FRAME: 0043

Attorney Docket 5649-1583

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Yong-Won Cha**, citizen of the Republic of Korea, residing at 519-1306, Jinsan Maeul Samsung Apt., Pungdeokcheon 2-dong, Yongin-si, Gyeonggi, Republic of Korea; **Kyu-Tae Na**, citizen of the Republic of Korea, residing at 105-704, Gangchon Apt., Ichon 1-dong, Yongsan-gu, Seoul, Republic of Korea; **Yong-Soon Choi**, citizen of the Republic of Korea, residing at 502, New Town Officetel, 602-36, Namhyeon-dong, Gwanak-gu, Seoul, Republic of Korea; **Eun-Kee Hong**, a citizen of the Republic of Korea, residing at 110-1901, Byeoksan Apt., Mangpo-dong, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea; and **Ju-Seon Goo**, citizen of the Republic of Korea, residing at 422-1804, Cheongmyeong Maeul Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **METHODS OF FORMING TRENCH ISOLATION LAYERS USING HIGH DENSITY PLASMA CHEMICAL VAPOR DEPOSITION** for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. 11/149,307, filed 06/09/05) the filing date and application number of said application when known or to file this Assignment concurrently with the application, and

WHEREAS, **Samsung Electronics Co., Ltd.**, a Korean corporation having a principal place of business at 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the

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ASSIGNMENT - CONTINUED

term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

AUG. 5. 2005 2:27PM

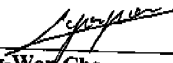
919-854-1401 MBS&S

NO. 8459 P. 5

Attorney Docket 5649-1583

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this _____
day of 05/18, 2005



Yong-Won Cha

Attorney Docket 5649-1583

ASSIGNMENT - CONTINUED

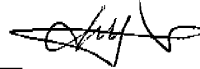
IN WITNESS WHEREOF, we have hereunto set our hands and seals on this _____
day of 05 / 18, 2005

Kyu Tae Na
Kyu-Tae Na

Attorney Docket 5649-1583

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this _____
day of 05/18, 2005

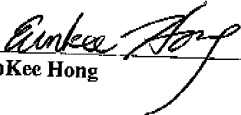


Yong-Soon Choi

Attorney Docket 5649-1583

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 23
day of 5, 2005



EunKee Hong

Attorney Docket 5649-1583

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this _____
day of 05/18, 2005

Juseon Goo
Ju-Seon Goo