

5/23/05

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents at the new address(es) below.

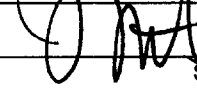
<p>1. Name of conveying party(ies)/Execution Date(s):</p> <p>Wen-Chin Lee Chung-Hu Ke Min-Hwa Chi</p> <p>Execution Date(s) <u>5-10-05 (Lee, Ke); 5-17-05 (Chi)</u> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: <u>Taiwan Semiconductor Manufacturing Company</u> Ltd.</p> <p>Internal Address: _____</p> <p>Street Address: <u>No. 8, Li-Hsin Rd. 6</u> <u>Science-Based Industrial Park</u></p> <p>City: <u>Hsin-Chu</u></p> <p>State: <u>Taiwan</u></p> <p>Country: <u>ROC</u> Zip: <u>300-77</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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4. Application or patent number(s): This document is being filed together with a new application.

A. Patent Application No.(s) _____ B. Patent No.(s) _____

Additional numbers attached? Yes No

<p>5. Name and address to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Steven H. Slater</u></p> <p><u>Slater & Matsil, L.L.P.</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>17950 Preston Rd.</u> <u>Suite 1000</u></p> <p>City: <u>Dallas</u></p> <p>State: <u>Texas</u> Zip: <u>75252-5793</u></p> <p>Phone Number: <u>972-732-1001</u></p> <p>Fax Number: <u>972-732-9218</u></p> <p>Email Address: <u>slater@slater-matsil.com</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u></p> <p><input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)</p> <p>8. Payment Information</p> <p>a. Credit Card Last 4 Numbers _____ Expiration Date _____</p> <p>b. Deposit Account Number <u>50-1065</u></p> <p>Authorized User Name <u>Ira S. Matsil</u></p>
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9. Signature:  _____ May 23, 2005

Signature Date

Ira S. Matsil, Reg. No. 35,272 _____

Name of Person Signing

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

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

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ATTORNEY DOCKET NO.
TSM04-1057

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

WHEREAS, Taiwan Semiconductor Manufacturing Company, Ltd. (TSMC), a corporation organized and existing under the laws of Taiwan, the Republic of China, with its principal office at No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park, Hsin-Chu, Taiwan 300-77, R.O.C., is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon in the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TSMC, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner for Patents to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said TSMC, as assignee of my entire right, title and interest. I declare that I have not executed and will not execute any agreement in conflict herewith.

I also hereby sell and assign to TSMC, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including, but not limited to, the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said TSMC, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention or the file history thereof, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said TSMC, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year;

TITLE OF INVENTION	<i>High Performance CMOS with Metal-Gate and Schottky Source/Drain</i>			
SIGNATURE OF INVENTOR AND NAME	<i>Wen-Chin Lee</i> Wen-Chin Lee	<i>Chung-Hu Ke</i> Chung-Hu Ke	<i>Min-Hwa Chi</i> Min-Hwa Chi	
DATE	<i>05/10/2005</i>	<i>2005/5/10</i>	<i>May 17, 2005</i>	
RESIDENCE (City, County, State)	Hsin-Chu, Taiwan R.O.C.	Taipei, Taiwan R.O.C.	Taipei, Taiwan R.O.C.	