

Form PTO-1585 (Rev. 10/02) OMB No. 0651-0027 (exp. 6.30.2005)

**RECORDATION FORM COVER SHEET  
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<p>1. Name of conveying party(ies): <b>Lee-Chung Lu, Chung-Hsing Wang and Yung-Chin Hou</b></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>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 _____</p> <p>Execution Date: <u>August 29, September 8 and 11, 2006</u></p>	<p>2. Name and address of receiving party(ies)  Name: <b>Taiwan Semiconductor Manufacturing Co., Ltd.</b></p> <p>Internal Address: _____</p> <p>Street Address: <u>No. 8, Li-Hsin Road 6</u>  <u>Science Based Industrial Park</u></p> <p>City: <u>Hsin-Chu</u> State: <u>Taiwan</u> Zip: <u>300-77</u></p> <p>Additional name(s) &amp; address(es) attached?  <input type="checkbox"/> Yes                      <input checked="" type="checkbox"/> No</p>
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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:

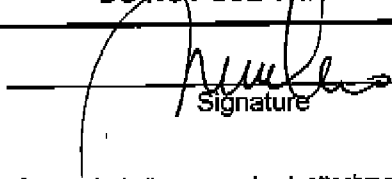
A. Patent Application No.(s) <u>11/505,113</u>	B. Patent No.(s) _____
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Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:  Name: <u>Howard Chen, Esq.</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>Preston Gates &amp; Ellis LLP</u>  <u>55 Second Street, Suite 1700</u></p> <p>City: <u>San Francisco</u> State: <u>CA</u> Zip: <u>94105</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) .....\$ <u>40.00</u></p> <p style="text-align: center;">Enclosed</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number:  <u>50-3414</u></p>
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9. Signature:  
Ting-Mao Chao, Esq.,  
Ltd. Recog. L0119  
Name of Person Signing

  
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PATENT ATTY DOCKET NO.: TSMC2005-0668 Non-prov  
Attorney Reference: 52604-00139

### ASSIGNMENT AND AGREEMENT

For value received, I/we **Lee-Chung Lu, Chung-Hsing Wang and Yung-Chin Hou**, hereby sell, assign and transfer to **Taiwan Semiconductor Manufacturing Co., Ltd.**, with its principal place of business located at No. 8, Li-Hsin Road 6, Science-Based Industrial Park, Hsin-Chu, Taiwan 300-77, Republic of China, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **POWER GATING IN INTEGRATED CIRCUITS FOR LEAKAGE REDUCTION** described in an application for Letters Patent of the United States Application Number 11/505,113 filed on **August 16, 2006** and all the rights and privileges in said application and under any and all Letters Patent and any divisions, continuations, continuations-in-part, reexamination certificates, reissues, and extensions thereof that may be granted in the United States for said inventions; and I/we also concurrently hereby sell, assign and transfer to **Taiwan Semiconductor Manufacturing Co., Ltd.** the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I/We authorize **Taiwan Semiconductor Manufacturing Co., Ltd.** to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me/us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I/We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of **Taiwan Semiconductor Manufacturing Co., Ltd.** to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I/We request that any and all patents for said inventions be issued to **Taiwan Semiconductor Manufacturing Co., Ltd.** in the United States and in all countries foreign to the United States, or to such nominees as **Taiwan Semiconductor Manufacturing Co., Ltd.** may designate.

PATENT ATTY DOCKET NO.: TSMC2005-0668 Prov  
 Attorney Reference: 52604-00139

I/We agree that, when requested, I/we shall, without charge to Taiwan Semiconductor Manufacturing Co., Ltd. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

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Dated: 9/8/2006

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**FAX COVER SHEET**

TO: **USPTO Assignment Branch** FAX NO: **571-273-0140**  
 COMPANY: **U.S. PATENT & TRADEMARK OFFICE** CONFIRMATION NO: **571-272-3350**

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FROM: **Ting Mao-Chao, Esq.** CLIENT-MATTER NO: **52506-00139**  
 DATE: **September 19, 2006** TOTAL NUMBER OF PAGES INCLUDING THIS COVER SHEET: **4**

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