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SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the spelling of the fourth (4th) Assignor's name previously recorded on Reel 019525 Frame 0278. Assignor(s) hereby confirms the assignment of Assignor's interest (see document for details).

CONVEYING PARTY DATA

Name	Execution Date
Chung-Hsing Wang	01/17/2008
Lee-Chung Lu	01/17/2008
Cliff Hou	02/18/2008
Lie-Szu Juang	01/17/2008

RECEIVING PARTY DATA

Name:	Taiwan Semiconductor Manufacturing Company, Ltd.
Street Address:	No. 8, Li-Hsin Rd. 6
Internal Address:	Science-Based Industrial Park
City:	Hsin-Chu
State/Country:	TAIWAN
Postal Code:	300-77 R.O.C.

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11807640

CORRESPONDENCE DATA

500553582

Fax Number: (972)732-9218

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 972-732-1001

Email: sanderson@slater-matsil.com

Correspondent Name: Slater & Matsil, L.L.P.
Address Line 1: 17950 Preston Road

Address Line 2: Suite 1000

Address Line 4: Dallas, TEXAS 75252

ATTORNEY DOCKET NUMBER: TSM07-0164

PATENT

REEL: 021024 FRAME: 0069

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NAME OF SUBMITTER:

Michelle B. Sanderson

Total Attachments: 6

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PATENT

REEL: 021024 FRAME: 0070

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	Design Flow for Shrinking Circuits Having Non-Shrinkable IP Layout			
SIGNATURE OF INVENTOR AND NAME	Chung-Vain Wong Chung-Hsing Wang	Lee-Chung Lu Lee-Chung Lu	_ , _	Lie-Szy Juang
DATE	Jan 17, 2008	Jan 17, 2008	Feb 18 >008	Jan 17,08
RESIDENCE (City, County, State)	Baoshan Township, Taiwan, R.O.C.	Taipei, Taiwan, R.O.C.	Taipei, Taiwan, R.O.C.	Saratoga, CA

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MPANY:17950 PRESTON ROAD, SUI 1000

Fax Server

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

TO:SLATER & MATSIL, L.L.P.

07/06/2007 500309883

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Chung-Hsing Wang	05/17/2007
Lee-Chung Lu	05/17/2007
Cliff Hou	05/25/2007
Lei-Szu Juang	05/22/2007

RECEIVING PARTY DATA

Name:	Taiwan Semiconductor Manufacturing Company, Ltd.
Street Address:	No. 8, Li-Hsin Rd. 6
Internal Address:	Science-Based Industrial Park
City:	Hsin-Chu
State/Country:	TAIWAN
Postal Code:	300-77

PROPERTY NUMBERS Total: 1

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Application Number:	11807640

CORRESPONDENCE DATA

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Phone:

972-732-1001

Email:

engeldahl@slater-matsil.com

Correspondent Name:

Slater & Matsil, L.L.P.

Address Line 1:

17950 Preston Road, Suite 1000

Address Line 4:

Dallas, TEXAS 75252

ATTORNEY DOCKET NUMBER:

TSM07-0164

NAME OF SUBMITTER:

Kristy J. Engeldahl

PATENT REEL: 021024 FRAME: 0072 USPTO 7/9/2007 7:04:02 AM PAGE 5/005 Fax Server TO:SLATER & MATSIL, L.L.P. IPANY:17950 PRESTON ROAD, SUI 1000

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RECORDED: 05/30/2008

PATENT

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