

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ben-yong Zhang</td> <td>06/03/2011</td> </tr> <tr> <td>Tom Christiansen</td> <td>06/03/2011</td> </tr> <tr> <td>Christopher Andrew Schell</td> <td>06/03/2011</td> </tr> </tbody> </table>	Name	Execution Date	Ben-yong Zhang	06/03/2011	Tom Christiansen	06/03/2011	Christopher Andrew Schell	06/03/2011	
Name	Execution Date								
Ben-yong Zhang	06/03/2011								
Tom Christiansen	06/03/2011								
Christopher Andrew Schell	06/03/2011								
RECEIVING PARTY DATA									
Name:	National Semiconductor Corporation								
Street Address:	2900 Semiconductor Drive								
Internal Address:	M/S D3-579								
City:	Santa Clara								
State/Country:	CALIFORNIA								
Postal Code:	95051-8090								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13099253</td> </tr> </tbody> </table>	Property Type	Number	Application Number:	13099253					
Property Type	Number								
Application Number:	13099253								
CORRESPONDENCE DATA									
Fax Number:	(415)723-7337								
Phone:	(925) 284-0500								
Email:	mcefulu@gellp.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Philip A. Girard								
Address Line 1:	P.O. Box 1369								
Address Line 4:	Lafayette, CALIFORNIA 94549								
ATTORNEY DOCKET NUMBER:	NSC1-H3800 [P07706]								
NAME OF SUBMITTER:	Philip A. Girard								
Total Attachments: 2 source=SIGNED_Assignment-NSC1-H3800#page1.tif source=SIGNED_Assignment-NSC1-H3800#page2.tif									

OP \$40.00 13099253

ASSIGNMENT

WHEREAS, I/we, BEN-YONG ZHANG, TOM CHRISTIANSEN and CHRISTOPHER ANDREW SCHELL (hereinafter referred to as "ASSIGNOR"), have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: APPARATUS AND METHOD TO HOLD PLL OUTPUT FREQUENCY WHEN INPUT CLOCK IS LOST

Filing Date: May 2, 2011

Application Serial No.: 13/099,253

WHEREAS, NATIONAL SEMICONDUCTOR CORPORATION, a corporation of the State of Delaware, 2900 Semiconductor Drive, M/S D3-579, Santa Clara, California 95051-8090, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assignor further agrees that he will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his name to this assignment on the date indicated below.

Date: June 3rd, 2011


BEN-YONG ZHANG

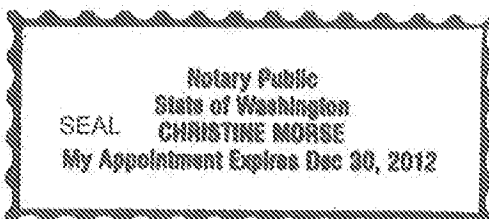
State of Washington

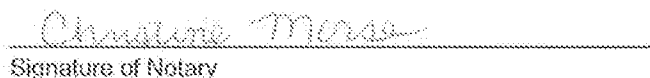
County of King

On June 3, 2011 before me, Christine Morse, personally appeared Ben-Yong Zhang, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.




Signature of Notary

IN TESTIMONY WHEREOF, Assignor has hereunto signed his name to this assignment on the date indicated below.

Date: 6/3/2011

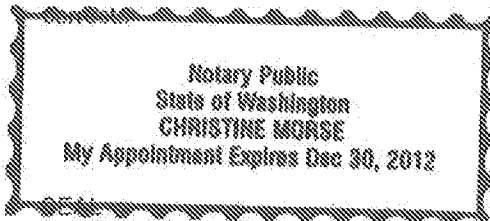
[Signature]
TOM CHRISTIANSEN

State of Washington

County of King

On 6/3/2011 before me, Christine Morse,
personally appeared TOM CHRISTIANSEN who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and



WITNESS my hand and official seal.

Christine Morse
Signature of Notary

IN TESTIMONY WHEREOF, Assignor has hereunto signed his name to this assignment on the date indicated below.

Date: June 3, 2011

Christopher Andrew Schell
CHRISTOPHER ANDREW SCHELL

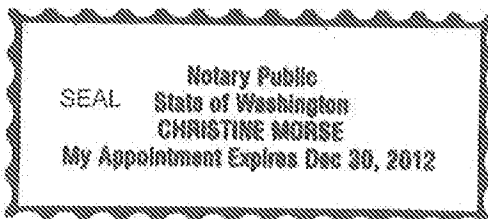
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