

## 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>Hongyang Deng</td><td>04/24/2010</td></tr><tr><td>Roman A. Dyba</td><td>04/23/2010</td></tr><tr><td>Wen Wu Su</td><td>04/26/2010</td></tr></tbody></table>		Name	Execution Date	Hongyang Deng	04/24/2010	Roman A. Dyba	04/23/2010	Wen Wu Su	04/26/2010		
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Hongyang Deng	04/24/2010										
Roman A. Dyba	04/23/2010										
Wen Wu Su	04/26/2010										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Freescall Semiconductor, Inc.</td></tr><tr><td>Street Address:</td><td>6501 William Cannon Drive West</td></tr><tr><td>City:</td><td>Austin</td></tr><tr><td>State/Country:</td><td>TEXAS</td></tr><tr><td>Postal Code:</td><td>78735</td></tr></table>		Name:	Freescall Semiconductor, Inc.	Street Address:	6501 William Cannon Drive West	City:	Austin	State/Country:	TEXAS	Postal Code:	78735
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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>12768275</td></tr></tbody></table>		Property Type	Number	Application Number:	12768275						
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Application Number:	12768275										
CORRESPONDENCE DATA											
Fax Number: (512)343-6446 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Email: filipowsky@dillonyudell.com											
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Address Line 1: 8911 N. Capital of Texas Hwy.											
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Address Line 4: Austin, TEXAS 78759											
ATTORNEY DOCKET NUMBER:	NM45815HS										
NAME OF SUBMITTER:	Michael R. Long										
Total Attachments: 4 source=Assignment-NM45815HS#page1.tif source=Assignment-NM45815HS#page2.tif											

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**PATENT  
ASSIGNMENT AND AGREEMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **HONGYANG DENG**, of Austin, Texas, **ROMAN A. DYBA**, of San Diego, California, and **WEN WU SU** of Austin, Texas, have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **FREESCALE SEMICONDUCTOR, INC.**, a corporation of the State of Delaware, having its principal office in Austin, State of Texas, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest in and to certain inventions relating to improvements in **TECHNIQUES FOR UPDATING FILTER COEFFICIENTS OF AN ADAPTIVE FILTER** (Docket No. NM45815HS), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto **FREESCALE SEMICONDUCTOR, INC.**, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof, and we further authorize **FREESCALE SEMICONDUCTOR, INC.** to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to **FREESCALE SEMICONDUCTOR, INC.**, for the sole use and benefit of **FREESCALE SEMICONDUCTOR, INC.**, its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to **FREESCALE SEMICONDUCTOR, INC.**

We agree that, when requested, we will, without charge to FREESCALE SEMICONDUCTOR, INC., but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in FREESCALE SEMICONDUCTOR, INC., its successors, assigns and legal representatives or nominees.

We covenant with FREESCALE SEMICONDUCTOR, INC., its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

Deng Shanyao  
HONGYANG DENG

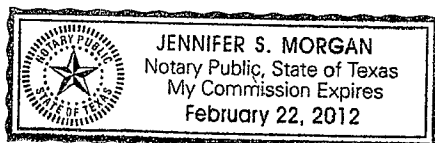
DATE: 04/24/2010

STATE OF TEXAS      )  
                                  )  
COUNTY OF TRAVIS    )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **HONGYANG DENG**, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

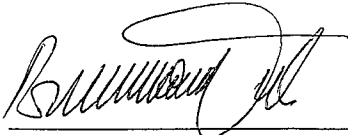
Given under my hand and notarial seal this 24<sup>th</sup> day of April, 2010.

My commission expires: 2-22-2012



Jennifer S. Morgan  
Notary Public Signature

JENNIFER S. MORGAN  
Printed Name of Notary Public



ROMAN A. DYBA

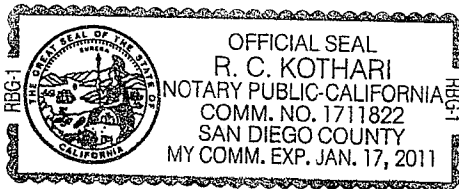
DATE: 04/23/2010

STATE OF CALIFORNIA )  
COUNTY OF SAN DIEGO )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **ROMAN A. DYBA**, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.


Given under my hand and notarial seal this 23<sup>TH</sup> day of APRIL, 2010.

My commission expires: MAY 17 2011





Notary Public Signature

  
Printed Name of Notary Public

WEN WU SU

DATE: \_\_\_\_\_

STATE OF TEXAS )  
COUNTY OF TRAVIS )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **WEN WU SU**, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this \_\_\_\_ day of \_\_\_\_\_, 2010.

My commission expires:

\_\_\_\_\_  
Notary Public Signature

\_\_\_\_\_  
Printed Name of Notary Public

NM45815HS

DATE: \_\_\_\_\_

**ROMAN A. DYBA**

STATE OF CALIFORNIA )  
COUNTY OF SAN DIEGO )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **ROMAN A. DYBA**, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this \_\_\_\_ day of \_\_\_\_\_, 2010.

My commission expires:

\_\_\_\_\_  
Notary Public Signature

\_\_\_\_\_  
Printed Name of Notary Public

*Wen Wu Su*

**WEN WU SU**

DATE: 04-26-2010

STATE OF TEXAS )  
COUNTY OF TRAVIS )

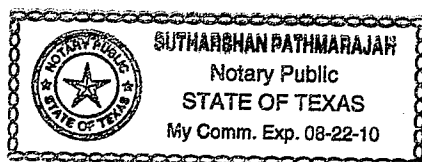
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **WEN WU SU**, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 26 day of APRIL 2010.

My commission expires: 08/22/2010

\_\_\_\_\_  
Notary Public Signature

*SUTHARSHAN PATHMARAJAH*  
Printed Name of Notary Public



NM45815HS

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RECORDED: 04/30/2010

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