

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Yi Cheng Chang	11/17/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Freescale Semiconductor, Inc.
<b>Street Address:</b>	6501 Williams Cannon Drive West
<b>City:</b>	Austin
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	78735
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12948447
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(480)385-5061
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<b>Correspondent Name:</b>	Ingrassia, Fisher & Lorenz, P.C.
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<b>Address Line 4:</b>	Scottsdale, ARIZONA 85253
<b>ATTORNEY DOCKET NUMBER:</b>	NM45893ZH
<b>NAME OF SUBMITTER:</b>	Sherry W. Schumm
<b>Total Attachments: 2</b> source=20110103_Assignment#page1.tif source=20110103_Assignment#page2.tif	

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ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, **Yi Cheng Chang, Tempe, ARIZONA** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto FREESCALE SEMICONDUCTOR, INC., a corporation 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 for the United States of America in and to certain inventions relating to an improvement in **DIFFERENTIAL EQUALIZERS WITH SOURCE DEGENERATION AND FEEDBACK CIRCUITS** (Docket No. **NM45893ZH**), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by me on the date indicated by my signature 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.

I 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, and I 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.

I 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 the Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and I hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to FREESCALE SEMICONDUCTOR, INC.

I agree that, when requested, I 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.

I 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

*Yi Cheng Chang*  
Yi Cheng Chang

DATE : 11-17-2010

STATE OF ARIZONA    )  
                                  )ss  
COUNTY OF MARICOPA )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Yi Cheng Chang, 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 17<sup>th</sup> day of November, 2010.

My commission expires: 9/9/2011

*Amanda Ruiz Huerta*  
Notary Public Signature

Amanda Ruiz Huerta  
Printed Name of Notary Public

