

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>Pallab Midya</td><td>10/30/2008</td></tr><tr><td>Matthew R Miller</td><td>10/30/2008</td></tr><tr><td>William J Roeckner</td><td>10/30/2008</td></tr></tbody></table>		Name	Execution Date	Pallab Midya	10/30/2008	Matthew R Miller	10/30/2008	William J Roeckner	10/30/2008
Name	Execution Date								
Pallab Midya	10/30/2008								
Matthew R Miller	10/30/2008								
William J Roeckner	10/30/2008								
RECEIVING PARTY DATA									
Name:	Freescall Semiconductor, Inc.								
Street Address:	6501 William Cannon Drive West								
City:	Austin								
State/Country:	TEXAS								
Postal Code:	78735								
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>12262127</td></tr></tbody></table>		Property Type	Number	Application Number:	12262127				
Property Type	Number								
Application Number:	12262127								
CORRESPONDENCE DATA									
Fax Number: (815)301-8408 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone: 8474586313									
Email: Dan@patentsandlicensing.com									
Correspondent Name: PATENTS AND LICENSING LLC DANIEL W. JUFF									
Address Line 1: 28 BARRINGTON BOURNE									
Address Line 4: BARRINGTON, ILLINOIS 60010-9605									
ATTORNEY DOCKET NUMBER:	CP41819ZH								
NAME OF SUBMITTER:	DANIEL W. JUFFERNBRUCH								
Total Attachments: 3 source=PL036-0001_Assignment_signed#page1.tif source=PL036-0001_Assignment_signed#page2.tif									

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REEL: 021766 FRAME: 0569



## PATENT

## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, Pallab Midya, Matthew R Miller, and William J Roeckner 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 for the United States of America in and to certain inventions relating to improvements in DIGITAL PULSE WIDTH MODULATION FOR HALF BRIDGE AMPLIFIERS (Docket No. CP41819ZII), 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, 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.

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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.

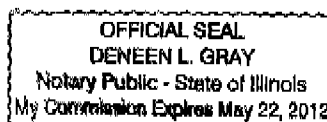
We covenant with FREESCALE SEMICONDUCTOR, INC., its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

Pallab Midya

(NAME OF ASSIGNOR)

DATE: 10-30-08

STATE OF ILLINOIS )  
COUNTY OF LAKE )



The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Pallab Midya 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 30<sup>th</sup> day of October, 2008.

My commission expires: 05/22/2012

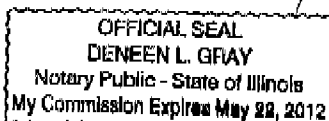
Deneen L. Gray  
Notary Public Signature

Deneen L. Gray  
Printed Name of Notary Public

mynd  
(NAME OF ASSIGNOR)

DATE: 10/30/2008

STATE OF ILLINOIS )  
COUNTY OF LAKE )



The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that *Matthew R Miller* 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 30<sup>th</sup> day of October, 2008.

My commission expires: 05/22/2012

Deneen L. Gray  
Notary Public Signature  
Deneen L. Gray  
Printed Name of Notary Public

William J Roekner  
(NAME OF ASSIGNOR)

DATE: 10/30/08

STATE OF ILLINOIS )  
COUNTY OF LAKE )



The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that *William J Roekner* 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 30<sup>th</sup> day of October, 2008.

My commission expires: 05/22/2012

Deneen L. Gray  
Notary Public Signature  
Deneen L. Gray  
Printed Name of Notary Public

PATENT

RECORDED: 10/30/2008

REEL: 021766 FRAME: 0573