

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Paul W. Sanders	04/15/2009
Michael F. Petras	04/15/2009
Chandrasekaram Ramiah	04/15/2009
<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>	12425159
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(480)385-5061
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Email:</b>	mburbank@ifllaw.com
<b>Correspondent Name:</b>	Ingrassia, Fisher & Lorenz, P.C.
<b>Address Line 1:</b>	7010 E. Cochise Road
<b>Address Line 4:</b>	Scottsdale, ARIZONA 85253
<b>ATTORNEY DOCKET NUMBER:</b>	RA48346ZP
<b>NAME OF SUBMITTER:</b>	Sherry W. Schumm
<b>Total Attachments: 4</b> source=20090513_Assignment#page1.tif source=20090513_Assignment#page2.tif source=20090513_Assignment#page3.tif	

CH \$40.00 12425159

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**PATENT  
 REEL: 022677 FRAME: 0466**



## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **Paul W. Sanders, Scottsdale, ARIZONA; Michael F. Petras, Phoenix, ARIZONA; and Chandrasekaram Ramiah, Phoenix, 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 improvements in **THROUGH SUBSTRATE VIAS** (Docket No. **RA48346ZP**), 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 us 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.

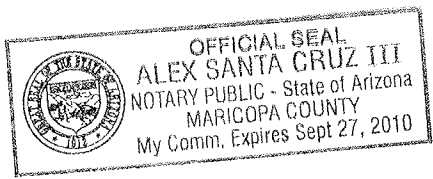
Paul W Sanders DATE: APRIL 15, 2009  
Paul W. Sanders

STATE OF ARIZONA )  
 )ss  
COUNTY OF MARICOPA )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Paul W. Sanders, 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 15<sup>th</sup> day of April, 2009.

My commission expires: 9/27/10



Alex Santa Cruz III  
Notary Public Signature  
Alex Santa Cruz III  
Printed Name of Notary Public

Michael F. Petras  
Michael F. Petras

DATE: 4/15/09

STATE OF ARIZONA     )  
  )ss  
COUNTY OF MARICOPA    )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Michael F. Petras, 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 15<sup>th</sup> day of April, 2009.

My commission expires: 2009  
9/27/10

Alex Santa Cruz III  
Notary Public Signature

Alex Santa Cruz III  
Printed Name of Notary Public



R. Chandrasekaram Ramiah

Chandrasekaram Ramiah

DATE: 04-15-2009

STATE OF ARIZONA            )  
  )ss  
COUNTY OF MARICOPA        )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Chandrasekaram Ramiah, 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 15<sup>th</sup> day of April, 2009.

My commission expires: 9/27/10

Alex Santa Cruz III  
Notary Public Signature

Alex Santa Cruz III  
Printed Name of Notary Public

