

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Chandrasekaram Ramiah	10/25/2008
Douglas G. Mitchell	10/24/2008
Michael F. Petras	10/24/2008
Paul W. Sanders	10/24/2008

RECEIVING PARTY DATA

Name:	Freescall Semiconductor, Inc.
Street Address:	6501 Williams Cannon Drive West
City:	Austin
State/Country:	TEXAS
Postal Code:	78735

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12277512

CORRESPONDENCE DATA

Fax Number: (480)385-5061

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Email: mhale@ifllaw.com

Correspondent Name: Ingrassia, Fisher & Lorenz. P.C.

Address Line 1: 7010 E. Cochise Road

Address Line 4: Scottsdale, ARIZONA 85253

ATTORNEY DOCKET NUMBER:

MT11055ZK

NAME OF SUBMITTER:

Sherry W. Schumm

Total Attachments: 5

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PATENT

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## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **Chandrasekaram Ramiah, Phoenix, ARIZONA; Douglas G. Mitchell, Tempe, ARIZONA; Michael F. Petras, Phoenix, ARIZONA; and Paul W. Sanders, Scottsdale, 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 FOR BACK-SIDE INTERCONNECTIONS ON VERY THIN SEMICONDUCTOR WAFERS** (Docket No. **MT11055ZK**), 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.



Chandrasekaram Ramiah

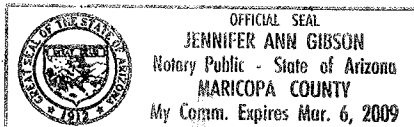
DATE: 10-25-08

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 24<sup>TH</sup> day of October, 2008.

My commission expires: March 6 2009



  
Notary Public Signature

JENNIFER ANN GIBSON  
Printed Name of Notary Public

Douglas G. Mitchell  
Douglas G. Mitchell

DATE: 10/24/08

STATE OF ARIZONA       )  
                                      )ss  
COUNTY OF MARICOPA    )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Douglas G. Mitchell, 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 October, 2008.

My commission expires: March 6 2009

Jennifer Ann Gibson  
Notary Public Signature

JENNIFER ANN GIBSON  
Printed Name of Notary Public

Michael F. Petras  
Michael F. Petras

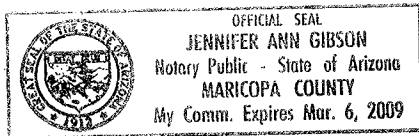
DATE: 10/24/08

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 24<sup>th</sup> day of October, 2008.

My commission expires: MARCH 6 2009



Jennifer Ann Gibson  
Notary Public Signature

JENNIFER ANN GIBSON  
Printed Name of Notary Public

Paul W. Sanders  
Paul W. Sanders

DATE: OCT 24, 2008

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 24<sup>TH</sup> day of October, 2008.

My commission expires: March 6, 2009

Jennifer Ann Gibson  
Notary Public Signature

JENNIFER ANN GIBSON  
Printed Name of Notary Public

