

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>RAVINDRARAJ RAMARAJU</td> <td>03/13/2013</td> </tr> <tr> <td>GEORGE P. HOEKSTRA</td> <td>03/13/2013</td> </tr> <tr> <td>ANDREW C. RUSSELL</td> <td>03/13/2013</td> </tr> </tbody> </table>		Name	Execution Date	RAVINDRARAJ RAMARAJU	03/13/2013	GEORGE P. HOEKSTRA	03/13/2013	ANDREW C. RUSSELL	03/13/2013				
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RAVINDRARAJ RAMARAJU	03/13/2013												
GEORGE P. HOEKSTRA	03/13/2013												
ANDREW C. RUSSELL	03/13/2013												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>FREESCALE SEMICONDUCTOR, INC.</td> </tr> <tr> <td>Street Address:</td> <td>6501 WILLIAM CANNON DR.</td> </tr> <tr> <td>Internal Address:</td> <td>TX30/OE62</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:	FREESCALE SEMICONDUCTOR, INC.	Street Address:	6501 WILLIAM CANNON DR.	Internal Address:	TX30/OE62	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>13826427</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13826427								
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CORRESPONDENCE DATA													
<p>Fax Number: 5128956630  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 512-895-6979        Email: dee.matocha@freescale.com        Correspondent Name: FREESCALE SEMICONDUCTOR, INC.        Address Line 1: 6501 WILLIAM CANNON DR.        Address Line 2: TX30/OE62        Address Line 4: AUSTIN, TEXAS 78735</p>													
ATTORNEY DOCKET NUMBER:	NS30263NC												
NAME OF SUBMITTER:	Dee Matocha												
Total Attachments: 8													

CH \$40.00 13826427

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## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **RAVINDRARAJ RAMARAJU, ROUND ROCK, TX; GEORGE P. HOEKSTRA, AUSTIN, TX; and, ANDREW C. RUSSELL, AUSTIN, TX**, 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 **MEMORY WITH POWER SAVINGS FOR UNNECESSARY READS** (Docket No. **NS30263NC**), 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.**

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.

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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.

  
RAVINDRARAaj RAMARAJU

DATE: 3/13/13

First Witness

  
SIGNATURE OF WITNESS

DATE: 3/13/13  
(Month-Day-Year)

Earl Holsten  
PRINTED NAME OF WITNESS

7700 W. Parmer Ln Austin TX, 78729  
PRINTED ADDRESS OF WITNESS

Second Witness

  
SIGNATURE OF WITNESS

DATE: 3/13/13  
(Month-Day-Year)

SUNITHA MANICKAVASAKAM  
PRINTED NAME OF WITNESS

7700 W. PARMER LN, AUSTIN, TX, 78729  
PRINTED ADDRESS OF WITNESS

\_\_\_\_\_  
GEORGE P. HOEKSTRA

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

STATE OF TEXAS     )  
                              )  
COUNTY OF TRAVIS    )

The undersigned Notary Public in and for the County and State aforesaid does hereby certify that GEORGE P. HOEKSTRA, 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 \_\_\_\_\_, 2013.


My commission expires:

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

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3

PATENT  
REEL: 030000 FRAME: 0452

  
\_\_\_\_\_  
ANDREW C. RUSSELL

DATE: 3/13/13

First Witness

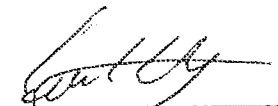
  
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SIGNATURE OF WITNESS

DATE: 3/13/2013  
(Month-Day-Year)

J. Gordon Sarker  
\_\_\_\_\_  
PRINTED NAME OF WITNESS

11413 Cedarcliffe Dr., Austin, TX 78750  
\_\_\_\_\_  
PRINTED ADDRESS OF WITNESS

Second Witness

  
\_\_\_\_\_  
SIGNATURE OF WITNESS

DATE: 3/13/13  
(Month-Day-Year)

E. H. Holsen  
\_\_\_\_\_  
PRINTED NAME OF WITNESS

7700 W. Parmer Ln Austin TX 78729  
\_\_\_\_\_  
PRINTED ADDRESS OF WITNESS

## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **RAVINDRARAJ RAMARAJU, ROUND ROCK, TX; GEORGE P. HOEKSTRA, AUSTIN, TX; and, ANDREW C. RUSSELL, AUSTIN, TX**, 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 **MEMORY WITH POWER SAVINGS FOR UNNECESSARY READS** (Docket No. **NS30263NC**), 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.**

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.

NS30263NC

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**PATENT**  
**REEL: 030000 FRAME: 0454**

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.

\_\_\_\_\_  
RAVINDRARAJ RAMARAJU

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

First Witness

\_\_\_\_\_  
SIGNATURE OF WITNESS

DATE: \_\_\_\_\_  
(Month-Day-Year)

\_\_\_\_\_  
PRINTED NAME OF WITNESS

\_\_\_\_\_  
PRINTED ADDRESS OF WITNESS

Second Witness

\_\_\_\_\_  
SIGNATURE OF WITNESS

DATE: \_\_\_\_\_  
(Month-Day-Year)

\_\_\_\_\_  
PRINTED NAME OF WITNESS

\_\_\_\_\_  
PRINTED ADDRESS OF WITNESS



George P. Hoekstra  
GEORGE P. HOEKSTRA

DATE: 3/13/2013

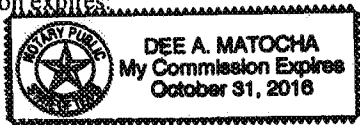
STATE OF TEXAS )

COUNTY OF TRAVIS )

The undersigned Notary Public in and for the County and State aforesaid does hereby certify that GEORGE P. HOEKSTRA, 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 13<sup>th</sup> day of March, 2013.

My commission expires:



Dee A. Matocha  
Notary Public Signature

\_\_\_\_\_  
ANDREW C. RUSSELL

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

*First Witness*

\_\_\_\_\_  
SIGNATURE OF WITNESS

DATE: \_\_\_\_\_  
(Month-Day-Year)

\_\_\_\_\_  
PRINTED NAME OF WITNESS

\_\_\_\_\_  
PRINTED ADDRESS OF WITNESS

*Second Witness*

\_\_\_\_\_  
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4