

PATENT ASSIGNMENT

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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>03/08/2012</td> </tr> <tr> <td>Eric V. Fiene</td> <td>03/08/2012</td> </tr> <tr> <td>Jogendra C. Sarker</td> <td>03/08/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ravindraraj Ramaraju	03/08/2012	Eric V. Fiene	03/08/2012	Jogendra C. Sarker	03/08/2012				
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Freescall Semiconductor, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>6501 William Cannon Drive West</td> </tr> <tr> <td>Internal Address:</td> <td>Law Department</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:	Freescall Semiconductor, Inc.	Street Address:	6501 William Cannon Drive West	Internal Address:	Law Department	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>13415196</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13415196								
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CORRESPONDENCE DATA													
<p>Fax Number: (512)439-7199</p> <p>Phone: 512-439-7100</p> <p>Email: mtaylor@larsonnewman.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: LARSON NEWMAN, LLP</p> <p>Address Line 1: 8200 N. Mopac Expy.</p> <p>Address Line 2: Suite 280</p> <p>Address Line 4: Austin, TEXAS 78759</p>													
ATTORNEY DOCKET NUMBER:	NM46133HC												
NAME OF SUBMITTER:	Adam D. Sheehan												
<p>Total Attachments: 3</p> <p>source=N46133HC_Assignment#page1.tif</p> <p>source=N46133HC_Assignment#page2.tif</p> <p>source=N46133HC_Assignment#page3.tif</p>													

CH \$40.00 13415196

ASSIGNMENT OF U.S. PATENT APPLICATION

This is an assignment of patent rights between the inventor(s)

Ravindraraj Ramaraju

Eric V. Fiene

Jogendra C. Sarker

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **Ravindraraj Ramaraju, Eric V. Fiene, and Jogendra C. Sarker**, 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, 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 **MULTIPLE PAGE SIZE MEMORY MANAGEMENT UNIT** (Docket No. **NM46133HC**), 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 therefore 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.

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.

This assignment is executed on the date(s) of which the Inventors have signed.

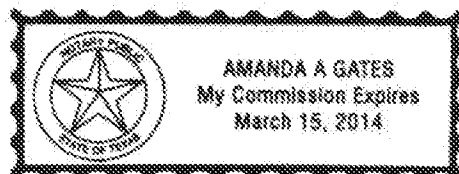
Inventors:

Ravindrara 3/8/12
Ravindrara Ramaraju Date

State of Texas
County of Travis

Before me personally appeared said inventor and acknowledge the foregoing instrument to be his/her free act and deed this 08 day of March, 2012

Seal



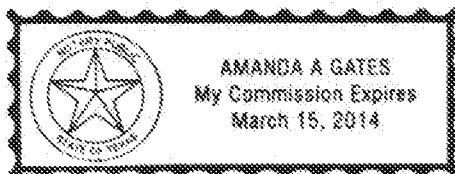
A. Gates
(Notary)

Eric V. Fiene 3-8-2012
Eric V. Fiene Date

State of Texas
County of Travis

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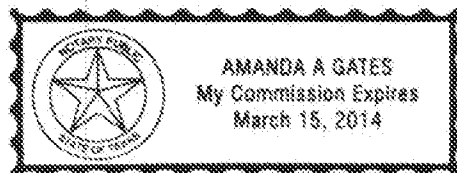
[Signature]
(Notary)

Jogendra C. Sarker 3/8/2012
Jogendra C. Sarker Date

State of Texas
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Seal



[Signature]
(Notary)