

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>Kiran Kumar Gullapalli</td> <td>04/30/2013</td> </tr> <tr> <td>Steven D. Hamm</td> <td>04/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	Kiran Kumar Gullapalli	04/30/2013	Steven D. Hamm	04/30/2013						
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Kiran Kumar Gullapalli	04/30/2013												
Steven D. Hamm	04/30/2013												
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>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:	Freescall Semiconductor, Inc.	Street Address:	6501 William Cannon Drive West	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>13873621</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13873621								
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CORRESPONDENCE DATA													
<p>Fax Number: 7196230141 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 512-295-8050 Email: PTOHLG@me.com Correspondent Name: Huffman Law Group, P.C. Address Line 1: 7702 Barnes Rd., Ste 140-46 Address Line 4: Colorado Springs, COLORADO 80922</p>													
ATTORNEY DOCKET NUMBER:	MT12179TS/FREE.0093												
NAME OF SUBMITTER:	Taysie J. Locke												
Signature:	/Taysie J. Locke/												
Date:	04/30/2013												
<p>Total Attachments: 3 source=FREE-0093_Assignment#page1.tif source=FREE-0093_Assignment#page2.tif source=FREE-0093_Assignment#page3.tif</p>													

OP \$40.00 13873621

PATENT

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **KIRAN KUMAR GULLAPALLI, AUSTIN, TEXAS AND STEVEN D. HAMM, AUSTIN, TEXAS** 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 **METHOD AND APPARATUS FOR ACCELERATING SPARSE MATRIX OPERATIONS IN FULL ACCURACY CIRCUIT SIMULATION** (Docket No. **MT12179TS/FREE.0093**) 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.**

PATENT

REEL: 030317 FRAME: 0600

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.

INVENTOR NAME	RESIDENCE AND MAILING ADDRESS	SIGNATURE	DATE
KIRAN KUMAR GULLAPALLI	8907 TURKS CAP CV AUSTIN, TX 78750	<i>G. K. Gullapalli</i>	4/30/2013

STATE OF TEXAS)
)
COUNTY OF TRAVIS)

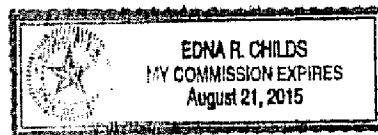
The undersigned Notary Public in and for the County and State aforesaid does hereby certify that Kiran Kumar Gullapalli whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 30th day of April, 2013.

My commission expires:

8-21-2015

Edna R. Childs
Notary Public Signature



INVENTOR NAME	RESIDENCE AND MAILING ADDRESS	SIGNATURE	DATE
STEVEN D. HAMM	10604 SABER CREEK CV AUSTIN, TX 78759	<i>Steven D Hamm</i>	<i>Apr 30, 2013</i>

STATE OF TEXAS)
)
COUNTY OF TRAVIS)

The undersigned Notary Public in and for the County and State aforesaid does hereby certify that Steven D. Hamm 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 30th day of April,
2013.

My commission expires:

8-21-2015

Edna R. Childs
Notary Public Signature)

