

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>Mark D. Hall</td> <td>07/02/2012</td> </tr> <tr> <td>Mehul D. Shroff</td> <td>07/02/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mark D. Hall	07/02/2012	Mehul D. Shroff	07/02/2012
Name	Execution Date						
Mark D. Hall	07/02/2012						
Mehul D. Shroff	07/02/2012						
RECEIVING PARTY DATA							
Name:	FREESCALE SEMICONDUCTOR, INC.						
Street Address:	6501 WILLIAM CANNON DRIVE WEST						
City:	AUSTIN						
State/Country:	TEXAS						
Postal Code:	78735						
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>13539070</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13539070		
Property Type	Number						
Application Number:	13539070						
CORRESPONDENCE DATA							
Fax Number:	5123912173						
Phone:	512.236.2000						
Email:	mmayer@jw.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Joseph P. Lally						
Address Line 1:	100 Congress Avenue						
Address Line 2:	Suite 1100						
Address Line 4:	Austin, TEXAS 78701						
ATTORNEY DOCKET NUMBER:	130704.00035						
NAME OF SUBMITTER:	Mindy Mayer						
Total Attachments: 3 source=AC50635TP_Assignment#page1.tif source=AC50635TP_Assignment#page2.tif source=AC50635TP_Assignment#page3.tif							

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PATENT

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **Mark D. Hall**, 8404 Sweet Cherry Drive, Austin, Texas 78750, and **Mehul D. Shroff**, 5916 Salcon Cliff Drive, Austin, Texas 78749, 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 an improvement in *Applications for Nanopillar Structures* (Docket No. AC50635TP), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by me on the date indicated by my signature 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, continuation-in-part, 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 the 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.**

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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.

Mark D. Hall
(MARK D. HALL)

DATE: July 2, 2012

STATE OF Texas)
)
COUNTY OF Travis)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Mark D. Hall, 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 2nd day of July, 2012.

My commission expires:

Dee A. Matocha
Notary Public Signature

Dee A. Matocha
Printed Name of Notary Public



