

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jayesh H. Kotecha</td> <td>03/16/2007</td> </tr> <tr> <td>Jayakrishnan C. Mundarath</td> <td>03/16/2007</td> </tr> </tbody> </table>		Name	Execution Date	Jayesh H. Kotecha	03/16/2007	Jayakrishnan C. Mundarath	03/16/2007
Name	Execution Date						
Jayesh H. Kotecha	03/16/2007						
Jayakrishnan C. Mundarath	03/16/2007						
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" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11687508</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11687508		
Property Type	Number						
Application Number:	11687508						
CORRESPONDENCE DATA							
Fax Number:	(512)345-7225						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	512-338-9100						
Email:	tmunoz@hamiltonterrire.com						
Correspondent Name:	Michael Rocco Cannatti						
Address Line 1:	P.O. Box 203518						
Address Line 4:	Austin, TEXAS 78720						
ATTORNEY DOCKET NUMBER:	WM41522TH						
NAME OF SUBMITTER:	Michael Rocco Cannatti						
Total Attachments: 2 source=WM41522TH_Assignment#page1.tif source=WM41522TH_Assignment#page2.tif							

OP \$40.00 11687508

PATENT

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **JAYESH H. KOTECHEA** and **JAYAKRISHNAN C. MUNDARATH**, 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 GENERALIZED REFERENCE SIGNALING SCHEME FOR MU-MIMO USING ARBITRARILY PRECODED REFERENCE SIGNALS (Docket No. WM41522TH), 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.

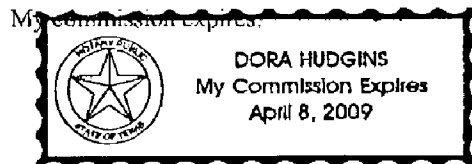
We covenant with FREESCALE SEMICONDUCTOR, INC., its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

Proved DATE: 10th March 2007

STATE OF TEXAS)
COUNTY OF Williamson)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Jayesh H. Kotecha, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 10th day of March, 2007.



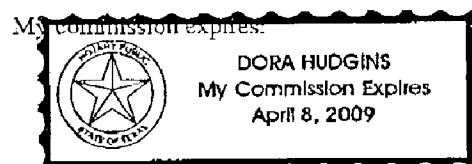
Dora Hudgins
Notary Public Signature
Dora Hudgins
Printed Name of Notary Public

Judith DATE: 16th of March, 2007

STATE OF TEXAS)
COUNTY OF Williamson)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Jayakrishnan C. Mundarath, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 16th day of March, 2007.



Dora Hudgins
Notary Public Signature
Dora Hudgins
Printed Name of Notary Public