

09-16-2005

ET

DOCKET NUMBER: SC14405TC



To the Honorable Commissioner of Patents and

103083231

documents or copy thereof.

1. Name of conveying party(ies):  
Lipeng Cao

2. Name and address of receiving party(ies)

Name: FREESCALE SEMICONDUCTOR, INC.Internal Address: Law DepartmentAdditional name(s) of conveying party(ies)  
attached?☐ Yes ☒ No

3. Name of conveyance:

☒

Assignment

☐

Merger

☐

Security Agreement

☐

Change of Name

☐

Other

Street Address: 7700 West Parmer Lane

City: Austin

State: TX

Zip: 78729

Execution Date: September 8, 2005

Additional name(s) &amp; address(es) attached?

☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is September 8, 2005.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence concerning  
document should be mailed:Name: FREESCALE SEMICONDUCTOR, INC.

Internal Address:

MD: TX32/PL02

Street Address:

7700 West Parmer LaneCity: AustinState: TXZip: 78729

6. Total number of applications and patents involved:

17. Total fee (37 CFR 3.41) \$40.00☐

Enclosed

☒

Authorized to be charged to deposit account

8. Deposit account number: 503079, Freescale Semiconductor, Inc.

(Attach duplicate copy of this page if paying by deposit account.)

**DO NOT USE THIS SPACE**

9. Statement and signature.

**To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document**

Ranjeev Singh

Name of Person Signing

Signature

9/9/05  
Date

Total number of pages including cover sheet, attachments, and documents:

3

Mail documents to be recorded with required cover sheet information to:

Mail Stop Patent Application, Commissioner of Patents, P. O. Box 1450, Alexandria, VA 22313-1450

09/15/2005 DBYRNE 00000042 503079 11222543

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(40.00 DA)

SC14405TC

**PATENT**  
**REEL: 016974 FRAME: 0489**

PATENT  
SOLE

## ASSIGNMENT AND AGREEMENT

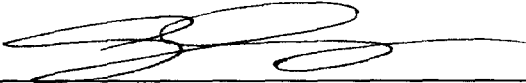
For good and valuable consideration, the receipt of which is hereby acknowledged, I, **LIPENG CAO, AUSTIN, TEXAS** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **FREESCALE SEMICONDUCTOR, INC.**, a corporation of the State of Delaware, having its principal office 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 an improvement in **BINARY STREAM SWITCHING CONTROLLED MODULUS DIVIDER FOR FRACTIONAL FREQUENCY SYNTHESIS** (Docket No. **SC14405TC**), 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 or reissue thereof.

I 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 I 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.

I 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 I hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to **FREESCALE SEMICONDUCTOR, INC.**

I agree that, when requested, I 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.

I 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.

  
\_\_\_\_\_  
LIPENG CAO

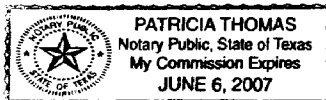
DATE : 09/08/2005

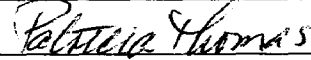
STATE OF Texas                    )  
  )  
COUNTY OF WILLIAMSON        )

The undersigned Notary Public in and for the County and State aforesaid, does hereby certify that Lipeng Cao 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 8<sup>TH</sup> day of SEPTEMBER, 2005.

My commission expires:



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

PATRICIA THOMAS  
\_\_\_\_\_  
Printed Name of Notary Public