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PATENTS ONLY

FORM PTO-1594 1-31-92

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U.S. DEPARTMENT OF COMMERCE

Atty Docket #: SC91158A / HQ9-99-021

Patent and Trademark Office

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To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Bellippa M. Kuttanna  
Michael D. Snyder

2. Name and address of receiving party(ies):

Name: Motorola, Inc.

Internal Address: MD: TX32/PL02

Street Address: 7700 West Parmer Lane

City: Austin State: TX ZIP: 78729

Additional name(s) of conveying party(ies) attached?  Yes  No

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: Kuttanna -- July 29, 1999  
Snyder -- August 6, 1999

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:

A. Patent Application No.(s): 09/271,493  
File Date: March 18, 1999

B. Patent No.(s):

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Motorola, Inc.  
Internal Address: Intellectual Property Law Section.

Street Address: 7700 West Parmer Lane  
MD: TX32 / PL02  
City: Austin State: TX ZIP: 78729

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) .....\$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 13-4773  
(Attach triplicate copy of this page if paying by deposit account)

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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.

Lee E. Chastain      35,479  
Name of Person Signing      Reg. No.

Lee E Chastain  
Signature

9-2-99  
Date

Total number of pages including cover sheet, attachments, and document: 5

## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, **Belliappa M. Kuttanna** of **Austin, Texas** have sold, assigned and transferred, and do hereby sell, assign and transfer unto **MOTOROLA, INC.**, a corporation of the State of Delaware, having its principal office in **Schaumburg, State of Illinois**, 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 LOAD MISS HANDLING IN A CACHE MEMORY SYSTEM** (Attorney Docket No. **HQ9-99-021**), described, illustrated and claimed in **U.S. Patent Application 09/271,493** filed on **March 18, 1999**, together with my entire right, title and interest in and to said application, and in and to Letters Patent which may be issued upon said application, and upon any division, extension, continuation, or reissue thereof.

I hereby also sell, assign and transfer unto **MOTOROLA, INC.**, the entire right, title and interest in and to said 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 said inventions and said applications for Letters Patent in foreign countries, and I further authorize **MOTOROLA, INC.** to apply for Letters Patent in foreign countries directly in its own name, and to claim the priority of the filing date of said 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 and Trademarks of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to **MOTOROLA, INC.**, for the sole use and behoof of **MOTOROLA, INC.**, its successors, assigns and legal representatives, to the full end of the term for which said 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 **MOTOROLA, INC.**

I agree that, when requested, I will, without charge to **MOTOROLA, 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 said inventions in any and all countries and for vesting title thereto in **MOTOROLA, INC.**, its successors, assigns and legal representatives or nominees.

I covenant with MOTOROLA, 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.

M. Belliappa  
Belliappa M. Kuttanna

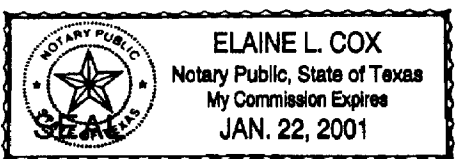
STATE OF TEXAS            )  
  :  
COUNTY OF WILLIAMSON    )

I, Elaine L. Cox, a Notary Public in and for the County and State aforesaid, do hereby certify that Belliappa M. Kuttanna whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 29th day of July, 1999.

Elaine L. Cox

My commission expires on 1/22/2001



## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, **Michael D. Snyder of Austin, Texas**, have sold, assigned and transferred, and do hereby sell, assign and transfer unto **MOTOROLA, INC.**, a corporation of the State of Delaware, having its principal office in **Schaumburg, State of Illinois**, 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 LOAD MISS HANDLING IN A CACHE MEMORY SYSTEM** (Attorney Docket No. **HQ9-99-021**), described, illustrated and claimed in **U.S. Patent Application 09/271,493 filed on March 18, 1999**, together with my entire right, title and interest in and to said application, and in and to Letters Patent which may be issued upon said application, and upon any division, extension, continuation, or reissue thereof.

I hereby also sell, assign and transfer unto **MOTOROLA, INC.**, the entire right, title and interest in and to said 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 said inventions and said applications for Letters Patent in foreign countries, and I further authorize **MOTOROLA, INC.** to apply for Letters Patent in foreign countries directly in its own name, and to claim the priority of the filing date of said 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 and Trademarks of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to **MOTOROLA, INC.**, for the sole use and behoof of **MOTOROLA, INC.**, its successors, assigns and legal representatives, to the full end of the term for which said 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 **MOTOROLA, INC.**

I agree that, when requested, I will, without charge to **MOTOROLA, 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 said inventions in any and all countries and for vesting title thereto in **MOTOROLA, INC.**, its successors, assigns and legal representatives or nominees.

I covenant with MOTOROLA, 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.

Michael D. Snyder  
Michael D. Snyder

STATE OF TEXAS            )  
                                      :  
COUNTY OF WILLIAMSON    )

I, SANDRA E. GING, a Notary Public in and for the County and State aforesaid, do hereby certify that Michael D. Snyder whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 6th day of August, 1999.

Sandra E. Ging

My commission expires on 3-5-2003

SEAL

