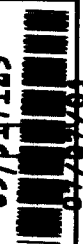


08-10-2001



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1c978 U.S. PTO  
09/17/129



To the Honorable Commissioner of Patents a)

101806312

original documents or copy thereof.

1 Name of conveying party(ies):  
COLIN GOULD  
DIPENDRA CHOWDHARY  
WARREN GOULD

2 Name and address of receiving party(ies)

Name: Motorola, Inc.

Internal Address: Law Department

07/27/01

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

Street Address: 1303 East Algonquin Road

City: Schaumburg State: IL Zip: 60196

3 Name of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: 6/19 and 6/20/2001

Additional name(s) & 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 7/27/2001.

A. Patent Application No.(s)

B. Patent No.(s)

09/17/129

Additional numbers attached?  Yes  No

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

Name: MOTOROLA, INC.

Internal Address: 1303 E. Algonquin Road

Street Address:

City: Schaumburg

State: IL Zip: 60196

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: 13-4772

(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

Daniel K. Nichols

Name of Person Signing

[Signature]

Signature

7/27/01

Date

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

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments, Washington, D.C. 20231

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01 FC:581 40.00 CH

## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, **Colin GOULD** of Australia, **Warren LUDCKE** of Australia and **Dipendra CHOWDHARY** of India, 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 **MEMORY MANAGEMENT METHOD AND SMARTCARD EMPLOYING SAME** (Attorney Docket No. **CR2031AA**), 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 said application, and in and to Letters Patent which may be issued upon said application, and upon any division, extension, continuation, or reissue thereof.

We hereby also sell, assign and transfer unto the said **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 we further authorize the said **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 the said 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 and Trademarks of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to the said **MOTOROLA, INC.**, for the sole use and behoof of said **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 us 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 the said **MOTOROLA, INC.**

We agree that, when requested, we will, without charge to said **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 said **MOTOROLA, INC.**, its successors, assigns and legal representatives or nominees.


We covenant with said **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.

1st Inventor:  \_\_\_\_\_  
Colin GOULD

Date: 19 June 2001

1st Witness:  
Name:  \_\_\_\_\_  
RUSSELL DAVIS

Date: 19 June 2001

2nd Witness:  
Name:  \_\_\_\_\_  
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Date: 19 June 2001

2nd Inventor: *Warren Ludcke*  
Warren **LUDCKE**

Date: 20 June 2001

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Date: 20 June 2001

2nd Witness: *Scott Hewett*  
Name : SCOTT HEWETT

Date: 20 June 2001

3rd Inventor: Dipendra Moha Choudhary  
Dipendra **CHOWDHARY**

Date: 19 June 2001

1st Witness: R. Karsh.  
Name: Ramesh **RANGARAJAN**

Date: 19 June 2001

2nd Witness: P. Mc Ginn  
Name: **PETER M C GINN**

Date: 19 June 2001