

09-05-2003



Form PTO-1595 (Rev. 10/02)

RE

U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

102542073

Tab settings

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

1. Name of conveying party(ies):

Rajeev Bharadhwaj

9.3.03

2. Name and address of receiving party(ies)

Name: HAL Computer Systems, Inc.

Internal Address:

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

3. Nature of conveyance:

- Assignment, Merger, Security Agreement, Change of Name, Other

Execution Date: 4/10/1997

Street Address: 1315 Dell Ave.

City: Campbell State: CA Zip: 95008

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:

A. Patent Application No.(s) 09/992,736

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Charles B. Katz

Internal Address: Carr & Ferrell LLP

Street Address: 2200 Geng Road

City: Palo Alto State: CA Zip: 94303

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:

06-0600

DO NOT USE THIS SPACE

9. Signature.

Charles B. Katz, Reg. No. 36,564 Name of Person Signing

Signature

August 28, 2003 Date

Total number of pages including cover sheet, attachments, and documents: 4

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

09/04/2003 6TON11 00000108 09992736

01 FC:8021

40.00 OP



04/11/97

ASSIGNMENT

For good and valuable consideration, receipt of which I hereby acknowledge, I, **Rajeev Bharadhwaj**, do hereby sell, assign and transfer unto **HAL Computer Systems, Inc.**, a California corporation whose address is 1315 Dell Avenue, Campbell, CA 95008, (called the Assignee herein), and its successors and assigns, the entire title, interest and right, including the right of priority, in, to and under an application for Letters Patent of the United States entitled "**System And Method For Multi-Level Memory Domain Protection**" executed by me this day, and the inventions and any of them therein set forth and described, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor or corresponding thereto;

And for the above consideration I agree promptly upon request of the Assignee, its heirs, successors or assigns, to communicate any facts known to me respecting said application and the invention set forth therein, and to execute and deliver any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to the Assignee, its heirs, successors and assigns, the inventions and any of them described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication and re-examination of said Letters Patent, provided the expenses which may be incurred by me in lending such cooperation and assistance be paid by the Assignee.

IN WITNESS WHEREOF, I hereunto set my hand and seal this 10 day of APRIL, 1997.

Rajeev Bharadhwaj  
Rajeev Bharadhwaj

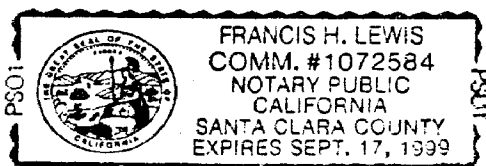
State of CA  
County of SANTA CLARA

On April 10, 1997 before me, Francis H. Lewis, personally appeared Rajeev Bharadhwaj, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Francis H. Lewis  
Notary Public

(Seal)



RECORDATION FORM COVER SHEET  
PATENTS ONLY

OMB No. 0651-0027 (exp. 6/30/2005)

Tab settings ⇄ ⇄ ⇄ ▼ ▼ ▼ ▼ ▼ ▼ ▼

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

1. Name of conveying party(ies):  
Rajeev Bharadhwaj

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

2. Name and address of receiving party(ies)  
Name: HAL Computer Systems, Inc.

Internal Address: \_\_\_\_\_

Street Address: 1315 Dell Ave.

City: Campbell State: CA Zip: 95008

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

OFFICE OF PHOENIX PROPOSALS  
2003 SEP 23 PM 2:17:16  
FINANCE SECTION

3. Nature of conveyance:

Assignment  Merger

Security Agreement  Change of Name

Other \_\_\_\_\_

Execution Date: 4/10/1997

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) \_\_\_\_\_  
09/992,736

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

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

Name: Charles B. Katz

Internal Address: Carr & Ferrell LLP

Street Address: 2200 Geng Road

City: Palo Alto State: CA Zip: 94303

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:  
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9. Signature.

Charles B. Katz, Reg. No. 36,564  
Name of Person Signing

  
Signature

August 28, 2003  
Date

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06-03-1997

FORM PTO-1061/97

DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

REC



100429141

PATENTS ONLY

Case Docket No. 554 US

71629 U.S. PTO  
08/83-360  
04/11/97

TO THE HONORABLE COMMISSIONER OF PATENTS & TRADEMARKS:  
PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF

MRD 4-11-97

<p>1. Name of conveying party(ies):  Rajeev Bharadhwaj</p> <p>Additional name(s) of conveying party(ies) attached?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):  Name: HAL Computer Systems, Inc.  Internal Address:</p> <p>Street Address: 1315 Dell Ave.  City: Campbell State: CA ZIP: 95008</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of Conveyance:  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other _____</p> <p>Execution Date: April 10, 1997</p>	

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:  
April 10, 1997  
Date

<p>A. Patent Application No(s):  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>B. Patent No(s):  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>5. Name and address of party to whom correspondence concerning document should be mailed:   Name: Lloyd E. Dakin, Jr.  Carr, DeFilippo &amp; Ferrell  Street Address: 2225 East Bayshore Road, Suite 200  City: Palo Alto State: CA ZIP: 94303</p>	<p>6. Number of applications and patents involved: [ 1 ]</p> <p>7. Total fee (37 CFR 3.41): \$ <u>40.00</u>  <input checked="" type="checkbox"/> Enclosed  <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>06-0600</u>  (Attach duplicate copy of this page if paying by deposit account)</p>
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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.

Lloyd E. Dakin, Jr.      [Signature]      04-10-97  
Name of Person Signing      Signature      Date

Total number of pages including cover sheet, attachments and document: [2]

1300 SH 05/19/97 08834050


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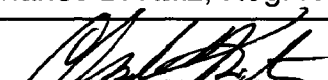
<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/992,736
	Filing Date	November 13, 2001
	First Named Inventor	Rajeev Bharadhwaj
	Art Unit	2151
	Examiner Name	Unknown
Total Number of Pages in This Submission	15	Attorney Docket Number PA2314US

<b>ENCLOSURES (Check all that apply)</b>		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	(1) Assignment Recordation Form (PTO-1595) (x4);
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	(2) Assignments (9 pages);
<input type="checkbox"/> Certified Copy of Priority Document(s)		(3) Statement Regarding Clarification of Assignment;
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		(4) Confirmation Postcard;
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		(5) Checks for \$80.00
Remarks		
Total page number does not include postcard and checks.		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Carr & Ferrell LLP	Cust No. 22830
Signature		Reg. No. 36,564
Date	August 28, 2003	

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	Charles B. Katz, Reg. No. 36,564	
Signature		Date August 28, 2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**APPLICANT:** Rajeev Bharadhwaj  
**SERIAL NUMBER:** 09/992,736  
**FILING DATE:** November 13, 2001  
**TITLE:** System and Method for Multi-Level Memory Domain Protection

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**STATEMENT REGARDING CLARIFICATION OF ASSIGNMENT**

SIR:

Attached for recordation with the United States Patent and Trademark Office Assignment Division please find two assignments (listed below) originally recorded for U.S. patent application number 08/834,060 filed April 11, 1997; now U.S. patent number 6,360,244 issued March 19, 2002.

1. From: Rajeev Bharadhwaj  
To: HAL Computer Systems, Inc.  
The document was recorded in the United States Patent and Trademark Office at Reel 8523, Frame 0789.
2. From: HAL Computer Systems, Inc.  
To: Fujitsu Limited.  
The document was recorded in the United States Patent and Trademark Office at Reel 009947, Frame 0853.

The present application for which this assignment is submitted—U.S. patent application number 09/992,736 filed November 13, 2001—is a continuation patent application of the aforementioned application/patent.

The previously executed assignments are submitted as they effectuate the sale, assignment and transfer, first from Rajeev Bharadhwaj to HAL Computers, Inc, then from HAL Computers, Inc. to Fujitsu Limited, of the entire right, title and interest in the United States for any and all improvements identified in the parent application/patent in addition to “all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States.”

Respectfully submitted,  
Rajeev Bharadhwaj

By: 

Charles B. Katz, Reg. No. 36,564  
Carr & Ferrell, LLP  
2200 Geng Road  
Palo Alto, CA 94303

{00098441v1}

**PATENT**  
**REEL: 014448 FRAME: 0510**



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JULY 02, 1997

PTAS



\*100429141A\*

CARR, DEFILIPPO & FERRELL  
LLOYD E. DAKIN, JR.  
2225 EAST BAYSHORE ROAD  
SUITE 200  
PALO ALTO, CA 94303

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/11/1997

REEL/FRAME: 8523/0789  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BHARADHWAJ, RAJEEV

DOC DATE: 04/10/1997

ASSIGNEE:

HAL COMPUTER SYSTEMS, INC.  
1315 DELL AVE.  
CAMPBELL, CALIFORNIA 95008

SERIAL NUMBER: 08834060

PATENT NUMBER:

FILING DATE:

ISSUE DATE:

TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



RECORDED: 09/03/2003

PATENT  
REEL: 014448 FRAME: 0511