

10-15-1999

MRD 10.01.99



Attorney Docket No. 16869A-004100US

FORM PTO-1595  
(Rev. 6-93)

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U.S. Department of Commerce  
Patent and Trademark Office

To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies):

Shinichi Yoshioka, Hsuan-Wen Wang, Rajesh Chopra,  
Jun-Wen Tsong

Additional name(s) of conveying parties attached?

☐ Yes ☒ No.

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

Name: **Hitachi, Ltd.**

Internal Address:

Street Address: **6, Kanda Surugadai 4-chome****Chiyoda-ku, Tokyo, 101-8010, JAPAN**

Additional names and addresses attached?

☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date: 9/30/99

## 4. Application Number(s) or Patent Numbers.

If this document is being filed together with a new application, the execution date of the application is: 9/30/99

A. Patent Application No(s):

B. Patent No(s):

Additional numbers attached? ☐ Yes☒ No

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

Name: Thomas D. Franklin  
TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, CA 94111-3834  
Phone: (303) 571-4000

## 6. Total number of applications and patents involved 1

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

- ☐ Enclosed ☒ Charge Fees to Deposit Account  
☒ Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

## 8 Deposit account number: 20-1430

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.*Thomas D. Franklin  
Name of Person Signing

Signature

Date

Atty Reg. No. 43,616

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

## 10. Change Correspondence Address to that of Part 5?

☒ Yes ☐ No

OMB No. 0651-0011 (exp. 4/94)

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10/15/1999 DNGUYEN 00000114 201430 09410555

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PATENT  
REEL: 010300 FRAME: 0837

Attorney Docket No.: 16869A-004100US  
Client Reference No.: CPU-MA 2.1

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, Shinichi Yoshioka, of 390 Elan Village Lane, #314, San Jose, CA 95134, Hsuan-Wen Wang, of 929 E. El Camino Real, #438H, Sunnyvale, CA 94087, Rajesh Chopra, of 672 Gail Avenue, #F25, Sunnyvale, CA 94086, Jun-Wen Tsong, of 1642 Tupolo Drive, San Jose, CA 95124, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: WRITE BUFFER WITH BURST CAPABILITY

Date(s) of execution of Declaration:

Application No.: ; and

WHEREAS, Hitachi, Ltd., a Japanese company, of 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, 101-8010, JAPAN, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

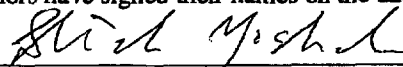
Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.


Dated:

9/30/99

  
Shinichi Yoshioka

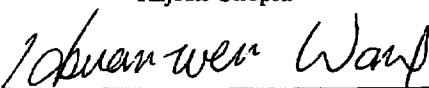
Dated:

9/30/99

  
Rajesh Chopra

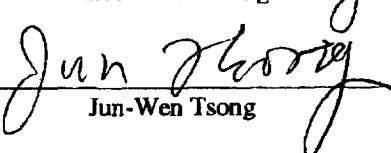
Dated:

9/30/99

  
Hsuan-Wen Wang

Dated:

Sept. 30, '99

  
Jun-Wen Tsong

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