

12-08-2000

Attorney Docket No. 19680-001000

FORM PTO-1595  
(Rev. 6-93)

101544559

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):

Oren Rubinstein

Additional name(s) of conveying parties attached? ☒ Yes  
☐ No.

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

Name: 3dfx Interactive, Inc.

Internal Address:

Street Address: 4435 Fortran Dr.

City: San Jose State: CA ZIP: 95134

Additional names and addresses attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

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

Execution Date: 11/8/00

MVP 11/10/00

09/709964

JC025 U.S. PTO  
09/709964  
11/10/00

## 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: 11/8/00

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: Babak S. Sani  
 TOWNSEND AND TOWNSEND AND CREW LLP  
 Two Embarcadero Center, 8<sup>th</sup> Floor  
 San Francisco, California 94111-3834  
 (415) 576-0200

## 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

DO NOT USE THIS SPACE

## 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.

Babak S. Sani  
 Name of Person Signing

Signature

11/10/00  
 Date

Atty. Reg. No. 37,495

Total number of pages including cover sheet, attachments and document 3

10. Change Correspondence Address to that of Part 5? ☒ Yes ☐ No

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

Do not detach this portion

Mail documents to be recorded with required cover to:

Asst. Commissioner for Patents  
 Box: Assignments  
 Washington, D.C. 20231

12/07/2000 DBYRNE 00000056 201430 09709964  
 01 FC:581 40.00 CH

PATENT  
 REEL: 011305 FRAME: 0874

1. Additional name(s) of conveying party(ies):  
(Continued from Page 1)

Ming Benjamin Zhu

2. Additional name(s) and address(es) of receiving party(ies):  
(Continued from Page 1)

3. Additional application number(s) or patent number(s):  
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

SF 150911 v1  
SF 150911 v1

# ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Oren Rubinstein, of 1220 North Fair Oaks Ave., Unit 4213, Sunnyvale, CA 94089 and Ming Benjamin Zhu, of 550 Kiely Blvd., San Jose, CA 95117; 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: DEMAND-BASED MEMORY SYSTEM FOR GRAPHICS APPLICATIONS

Date(s) of execution of Declaration: 11-8-00

Filing Date: \_\_/\_\_/\_\_

Application No.: ; and

WHEREAS, 3dfx Interactive, Inc., a corporation of the state of California, located at 4435 Fortran Dr., San Jose, CA, 95134, 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.

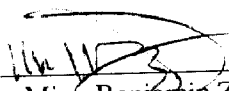
Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

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

Dated: 11/8/2000

  
Oren Rubinstein

Dated: 11/8/2000

  
Ming Benjamin Zhu