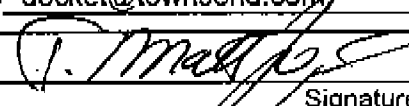


Attorney Docket No. 019680-020210US

Form PTO-1595 (Rev. 08/05)  
OMB No. 0651-0027 (exp. 6/30/2008)U.S. DEPARTMENT OF COMMERCE  
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<b>3. Nature of conveyance/Execution Date(s):</b> Execution Date(s) <u>2/21/08</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	<b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>11/960,645</u>  B. Patent No.(s)  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>5. Name and address to whom correspondence concerning document should be mailed:</b>  Name: <u>J. Matthew Zigmant</u> Internal Address: _____ <u>TOWNSEND AND TOWNSEND AND CREW LLP</u> Street Address: <u>Two Embarcadero Center,</u> <u>Eighth Floor</u>  City: <u>San Francisco</u>  State: <u>California</u> Zip: <u>94111-3834</u>  Phone Number: <u>(415) 576-0200</u> Fax Number: <u>(415) 576-0300</u> Email Address: <u>docket@townsend.com</u>	<b>6. Total number of applications and patents involved:</b> <u>1</u>  <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$</b> <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
<b>9. Signature:</b>  _____ Signature <u>J. Matthew Zigmant</u> Name of Person Signing Atty. Reg. No. 44,005	<b>8. Payment Information</b> a. Credit Card Last 4 numbers _____ Expiration Date _____  b. Deposit Account Number <u>20-1430</u> Authorized User Name <u>Townsend and</u> <u>Townsend and Crew LLP</u> Date <u>February 18, 2008</u>  Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 2px;">3</span>

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**PATENT**

700364649

REEL: 020676 FRAME: 0536

CH \$40.00 201430 11960645

Attorney Docket No.: 019680-020210US  
Client Reference No.: P002051

**ASSIGNMENT OF PATENT APPLICATION**

**SOLE**

WHEREAS, Alexander L. Minkin of 1131 Hillslope Place, Los Altos, CA 94024, hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: RECONFIGURABLE DUAL TEXTURE PIPELINE WITH  
SHARED TEXTURE CACHE

Date(s) of execution of Declaration:

Filing Date: December 19, 2007

Application No.: 11/960,645 ; and

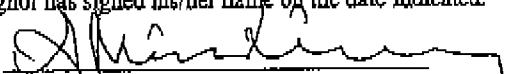
WHEREAS, NVIDIA Corporation, a corporation of the state of Delaware, located at 2701 San Tomas Expressway, MS-01, Santa Clara, CA 95050, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does 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 any patent application claiming priority from 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 Assignor 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.

Assignor further agrees that Assignor 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 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.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Dated: 2/21/08

  
Alexander L. Minkin

61238338 v1

Atty Docket No. 019680-020210US

PTO FAX NO.: 1-571-273-0140

Group Art Unit 2628

**OFFICIAL COMMUNICATION  
FOR THE ASSIGNMENT BRANCH**

**CERTIFICATION OF FACSIMILE TRANSMISSION**


I hereby certify that the following documents in re Application of MINKIN, Alexander L., Application No. 11/960,645, filed December 19, 2007 for RECONFIGURABLE DUAL TEXTURE PIPELINE WITH SHARED TEXTURE CACHE are being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Documents Attached

1. Assignment w/Recordation Form Cover Sheet (in duplicate)

Number of pages being transmitted, including this page: 4

Dated: March 19, 2008

  
\_\_\_\_\_  
D. Bullock

*PLEASE CONFIRM RECEIPT OF THIS PAPER BY  
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TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, Eighth Floor  
San Francisco, CA 94111-3834  
Telephone: 415-576-0200  
Fax: 415-576-0300  
0389

61292980 v1

**PATENT  
REEL: 020676 FRAME: 0538**

Attorney Docket No. 019680-020210US

Form PTO-1595 (Rev. 08/05)  
OMB No. 0651-0027 (exp. 6/30/2008)

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Alexander L. Minkin

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

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

Name: NVIDIA Corporation

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

Street Address: 2701 San Tomas Expressway

City: Santa Clara

State: CA

Country: US Zip: 95050

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

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 2/21/08

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**4. Application or patent number(s):**

A. Patent Application No.(s)  
11/960,645

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: J. Matthew Zigmant

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

TOWNSEND AND TOWNSEND AND CREW LLP

Street Address: Two Embarcadero Center,  
Eighth Floor

City: San Francisco

State: California Zip: 94111-3834

Phone Number: (415) 576-0200

Fax Number: (415) 576-0300

Email Address: docket@townsend.com

**6. Total number of applications and patents involved:** 1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

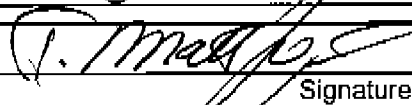
**8. Payment Information**

a. Credit Card Last 4 numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 20-1430

Authorized User Name Townsend and  
Townsend and Crew LLP

**9. Signature:**

  
Signature

J. Matthew Zigmant

Name of Person Signing

Atty. Reg. No. 44,005

March 18  
~~February~~, 2008  
Date

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

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**PATENT**

**RECORDED: 03/19/2008**

**REEL: 020676 FRAME: 0539**