

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | | | | | |
|---|---------------------------|---------------|--------------------|----------------------------|---------------------------|---------------------|-------------|-----------------------|------------|----------------------|------------|-------------------|------------|-----------------|------------|------------------|------------|-----------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Steven E. MOLNAR</td><td>10/14/2009</td></tr> <tr><td>Emmett M. KILGARIFF</td><td>10/14/2009</td></tr> <tr><td>Johnny S. RHOADES</td><td>11/05/2009</td></tr> <tr><td>Timothy John PURCELL</td><td>10/14/2009</td></tr> <tr><td>Sean J. TREICHLER</td><td>10/28/2009</td></tr> <tr><td>Ziyad S. HAKURA</td><td>10/14/2009</td></tr> <tr><td>Franklin C. CROW</td><td>11/17/2009</td></tr> <tr><td>James C. BOWMAN</td><td>11/14/2009</td></tr> </tbody> </table> | | Name | Execution Date | Steven E. MOLNAR | 10/14/2009 | Emmett M. KILGARIFF | 10/14/2009 | Johnny S. RHOADES | 11/05/2009 | Timothy John PURCELL | 10/14/2009 | Sean J. TREICHLER | 10/28/2009 | Ziyad S. HAKURA | 10/14/2009 | Franklin C. CROW | 11/17/2009 | James C. BOWMAN | 11/14/2009 |
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| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20%;">Name:</td><td>NVIDIA Corporation</td></tr> <tr><td>Street Address:</td><td>2701 San Tomas Expressway</td></tr> <tr><td>City:</td><td>Santa Clara</td></tr> <tr><td>State/Country:</td><td>CALIFORNIA</td></tr> <tr><td>Postal Code:</td><td>95050</td></tr> </table> | | Name: | NVIDIA Corporation | Street Address: | 2701 San Tomas Expressway | City: | Santa Clara | State/Country: | CALIFORNIA | Postal Code: | 95050 | | | | | | | | |
| Name: | NVIDIA Corporation | | | | | | | | | | | | | | | | | | |
| Street Address: | 2701 San Tomas Expressway | | | | | | | | | | | | | | | | | | |
| City: | Santa Clara | | | | | | | | | | | | | | | | | | |
| State/Country: | CALIFORNIA | | | | | | | | | | | | | | | | | | |
| Postal Code: | 95050 | | | | | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12580017</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12580017 | | | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | | | |
| Application Number: | 12580017 | | | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | | | |
| <p>Fax Number: (713)623-4846 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 713-623-4844</p> <p>Email: jcardenas@pattersonsheridan.com</p> <p>Correspondent Name: PATTERSON & SHERIDAN, L.L.P.</p> <p>Address Line 1: 3040 POST OAK BOULEVARD</p> <p>Address Line 2: SUITE 1500</p> <p>Address Line 4: HOUSTON, TEXAS 77056</p> | | | | | | | | | | | | | | | | | | | |

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PATENT
REEL: 023547 FRAME: 0490

NAME OF SUBMITTER:

Stephanie Winner

Total Attachments: 21

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Attorney Docket No. NVDA/SC-09-0277-US1

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Steven E. MOLNAR, residing at
200 Perry Creek Drive
Chapel Hill, NC 27514

Emmett M. KILGARIFF, residing at
2159 Paseo Del Oro
San Jose, CA 95124

Johnny S. RHOADES, residing at
1312 Snyder Street
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Franklin C. CROW, residing at
73 Santa Maria
Portola Valley, CA 94028

James C. BOWMAN, residing at
1946 Pescadero Road
Pescadero CA, 94060

(hereinafter referred to as Assignors), have invented a certain invention entitled:

AN ORDER-PRESERVING DISTRIBUTED RASTERIZER

enclosed herewith or for which application for Letters Patent in the United States under Application No. _____, filed on _____, and

WHEREAS, NVIDIA Corporation, a corporation of the State of Delaware, having a place of business at 2701 San Tomas Expressway, Santa Clara, CA 95050 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said

1 of 3

Attorney Docket No. NVDA/SC-09-0277-US1

Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. I hereby authorize and request my attorneys, Patterson & Sheridan LLP, of 3040 Post Oak Blvd, Suite 1500, Houston Texas 77056, to insert above in parentheses (Application No. and Filing Date) the filing date and application number of said application when known.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

| | | |
|----|-----------------------|---|
| 1) | <u>Oct. 14</u> , 2009 | <u>Steven E. Molnar</u> Steven E. MOLNAR |
| 2) | _____, 2009 | _____ Emmett M. KILGARIFF |
| 3) | _____, 2009 | _____ Johnny S. RHOADES |

Attorney Docket No. NVDA/SC-09-0277-US1

4) _____, 2009

Timothy John PURCELL

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2) 10-14, 2009



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Attorney Docket No. NVDA/SC-09-0277-US1

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Timothy John PURCELL

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Sean J. TREICHLER6) Oct 14th, 2009

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Steven E. MOLNAR

2) _____, 2009

Emmett M. KILGARIFF

3) Nov. 5, 2009

Johnny S Rhoades

Johnny S. RHOADES

Attorney Docket No. NVDA/SC-09-0277-US1

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3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. I hereby authorize and request my attorneys, Patterson & Sheridan LLP, of 3040 Post Oak Blvd, Suite 1500, Houston Texas 77056, to insert above in parentheses (Application No. and Filing Date) the filing date and application number of said application when known.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) _____, 2009

Steven E. MOLNAR

2) _____, 2009

Emmett M. KILGARIFF

3) _____, 2009

Johnny S. RHOADES

4) _____, 2009

Timothy John PURCELL

5) 28 Oct, 2009

~~Sean J. TREICHLER~~

6) _____, 2009

Ziyad S. HAKURA

7) _____, 2009

Franklin C. CROW

8) _____, 2009

James C. BOWMAN

Attorney Docket No. NVDA/SC-09-0277-US1

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Steven E. MOLNAR, residing at
200 Perry Creek Drive
Chapel Hill, NC 27514

Emmett M. KILGARIFF, residing at
2159 Paseo Del Oro
San Jose, CA 95124

Johnny S. RHOADES, residing at
1312 Snyder Street
Durham, NC 27713

Timothy John PURCELL, residing at
670 E. 2780 N
Provo, UT 84604

Sean J. TREICHLER, residing at
1390 La Bella Ave.
Sunnyvale, CA 94087

Ziyad S. HAKURA, residing at
704 Tennyson Dr.
Gilroy, CA 95020

Franklin C. CROW, residing at
73 Santa Maria
Portola Valley, CA 94028

James C. BOWMAN, residing at
1946 Pescadero Road
Pescadero CA, 94060

(hereinafter referred to as Assignors), have invented a certain invention entitled:

AN ORDER-PRESERVING DISTRIBUTED RASTERIZER

enclosed herewith or for which application for Letters Patent in the United States under Application No. 12/580,017, filed on October 15, 2009, and

WHEREAS, NVIDIA Corporation, a corporation of the State of Delaware, having a place of business at 2701 San Tomas Expressway, Santa Clara, CA 95050 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said

1 of 3

PATENT

11/17/2009 TUE 18:50 TTX/RX NO 93641 0001

REEL: 023547 FRAME: 0507

Attorney Docket No. NVDA/SC-09-0277-US1

Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

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Attorney Docket No. NVDA/SC-09-0277-US1

4) _____, 2009

Timothy John PURCELL

5) _____, 2009

Sean J. TREICHLER

6) _____, 2009

Ziyad S. HAKURA7) Nov, 17, 2009Franklin C. CROW

8) _____, 2009

James C. BOWMAN

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

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200 Perry Creek Drive
Chapel Hill, NC 27514

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Sean J. TREICHLER

6) _____, 2009

Ziyad S. HAKURA

7) _____, 2009

Franklin C. CROW

8) 14 NOV, 2009

J. Bowman
James C. BOWMAN