PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jonathan BAKDASH	06/25/2009
Qi MO	06/26/2009
David LUEBKE	06/26/2009
Douglas A. VOORHIES	06/25/2009

RECEIVING PARTY DATA

Name:	VIDIA Corporation						
Street Address: 2701 San Tomas Expressway							
City: Santa Clara							
State/Country: CALIFORNIA							
Postal Code: 95050							

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12493101

CORRESPONDENCE DATA

Fax Number: (713)623-4846

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 713-623-4844

Email: jcardenas@pattersonsheridan.com
Correspondent Name: PATTERSON & SHERIDAN, L.L.P.
Address Line 1: 3040 POST OAK BOULEVARD

Address Line 2: SUITE 1500

Address Line 4: HOUSTON, TEXAS 77056

NAME OF SUBMITTER: John C. Carey

Total Attachments: 8

source=NVDA_SC_08_0405_US1_EASGN#page1.tif source=NVDA_SC_08_0405_US1_EASGN#page2.tif

PATENT REEL: 022992 FRAME: 0817 3F \$40.00 12493101

500917178

source=NVDA_SC_08_0405_US1_EASGN#page3.tif source=NVDA_SC_08_0405_US1_EASGN#page4.tif source=NVDA_SC_08_0405_US1_EASGN#page5.tif source=NVDA_SC_08_0405_US1_EASGN#page6.tif source=NVDA_SC_08_0405_US1_EASGN#page7.tif source=NVDA_SC_08_0405_US1_EASGN#page8.tif

WHEREAS:

Jonathan BAKDASH, residing at 2002 Jefferson Park Ave. # 15 Charlottesville, VA 22903-3045

Qi MO, residing at 481 El Camino Real, Rm #135 Santa Clara, CA 95050

David LUEBKE, residing at 1912 Lynchburg Drive Charlottesville, VA 22903

Douglas A. VOORHIES, residing at 1355 Hillview Dr. Menlo Park, CA 94025

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

ACCELERATED RENDERING WITH TEMPORALLY INTERLEAVED DETAILS

enclosed	herewith	or	for	which	application	for	Letters	Patent	in	the	United	States	under
Application	n 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 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.

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

	are dated in allocated bolow.	
1)	<u>6/25</u> , 2009	Jonathan Ballson Jonathan BAKDASH
2)	, 2009	Qi MO
3)	, 2009	David LUEBKE
4)	, 2009	Douglas A. VOORHIES

WHEREAS:

Jonathan BAKDASH, residing at 2002 Jefferson Park Ave. # 15 Charlottesville, VA 22903-3045

Qi MO, residing at 481 El Camino Real, Rm #135 Santa Clara, CA 95050

David LUEBKE, residing at 1912 Lynchburg Drive Charlottesville, VA 22903

Douglas A. VOORHIES, residing at 1355 Hillview Dr. Menlo Park, CA 94025

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

ACCELERATED RENDERING WITH TEMPORALLY INTERLEAVED DETAILS

		or	for	which	application	for	Letters	Patent	in	the	United	States	under
Applicatio	n 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 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;

1 of 2

- (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.

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

1)	, 2009	4
2)	06/26,2009	Jonathan BAKDASH Qi MO
3)	, 2009	David LUEBKE
4)	, 2009	Douglas A. VOORHIES

WHEREAS:

Jonathan BAKDASH, residing at 2002 Jefferson Park Ave. # 15 Charlottesville. VA 22903-3045

Qi MO, residing at 481 El Carnino Real, Rm #135 Santa Clara. CA 95050

David LUEBKE, residing at 1912 Lynchburg Drive Charlottesville, VA 22903

Douglas A. VOORHIES, residing at 1355 Hillview Dr. Menlo Park, CA 94025

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

ACCELERATED RENDERING WITH TEMPORALLY INTERLEAVED DETAILS

enclosed	herewith	or	for	which	application	for	Letters	Patent	in	the	United	States	under
Application	n No				_, filed on			, and	1				

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 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;

1 of 2

- (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.

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

1)	, 2009	Jonathan BAKDASH
2)	, 2009	Qi MO
3)	7une 25, 2009	David LUEBKE
4)	, 2009	Douglas & VOOPHIES

WHEREAS:

Jonathan BAKDASH, residing at 2002 Jefferson Park Ave. # 15 Charlottesville. VA 22903-3045

Qi MO, residing at 481 El Camino Real, Rm #135 Santa Clara, CA 95050

David LUEBKE, residing at 1912 Lynchburg Drive Charlottesville, VA 22903

Douglas A. VOORHIES, residing at 1355 Hillview Dr. Menlo Park, CA 94025

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

ACCELERATED RENDERING WITH TEMPORALLY INTERLEAVED DETAILS

enclosed	herewith	or	for	which	application	for	Letters	Patent	in	the	United	States	under
Applicatio	n 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 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.

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

1)	, 2009	
		Jonathan BAKDASH
2)	, 2009	walling the second seco
		Qi MO
3)	, 2009	David LUEDKE
4)	Tune 25, 2009	David LUEBKE (J. Voornes)
-	-	Douglas A. VOORHIES

2 of 2