

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>John Erik LINDHOLM</td> <td>10/29/2012</td> </tr> <tr> <td>Brett W. COON</td> <td>11/08/2012</td> </tr> <tr> <td>Stuart F. OBERMAN</td> <td>10/29/2012</td> </tr> <tr> <td>Ming Y. SIU</td> <td>10/29/2012</td> </tr> <tr> <td>Matthew P. GERLACH</td> <td>10/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	John Erik LINDHOLM	10/29/2012	Brett W. COON	11/08/2012	Stuart F. OBERMAN	10/29/2012	Ming Y. SIU	10/29/2012	Matthew P. GERLACH	10/30/2012
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RECEIVING PARTY DATA													
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"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>8174531</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	8174531								
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CORRESPONDENCE DATA													
Fax Number:	7136234846												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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Email:	kcruz@pattersonsheridan.com												
Correspondent Name:	Patterson & Sheridan, LLP												
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ATTORNEY DOCKET NUMBER:	NVDA P001985D1												
NAME OF SUBMITTER:	John C. Carey												

OP \$40.00 8174531

Total Attachments: 8

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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

John Erik LINDHOLM residing at
20682 Rice Court
Saratoga, CA 95070

Brett W. COON residing at
5803 Newgate Court
San Jose, CA 95138

Stuart F. OBERMAN residing at
1032 Bluebonnet Drive
Sunnyvale, CA 94086

Ming Y. SIU residing at
4401 Watson Cir.
Santa Clara, CA 95054

Matthew P. GERLACH residing at
7904 Flagstaff St.
Commerce Twp, MI 48382

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

A PROGRAMMABLE GRAPHICS PROCESSOR FOR MULTITHREADED EXECUTION OF PROGRAMS

enclosed herewith or for which application for Letters Patent in the United States under Patent No. **8,174,531**, issued on **May 8, 2012**, 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:

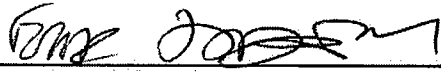
1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention 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) Oct 29, 2012 
John Erik LINDHOLM
- 2) _____, 2012 _____
Brett W. COON
- 3) _____, 2012 _____
Stuart F. OBERMAN
- 4) _____, 2012 _____
Ming Y. SIU
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Atty. Dkt. No.: NVDA/P001985-US1-DIV1

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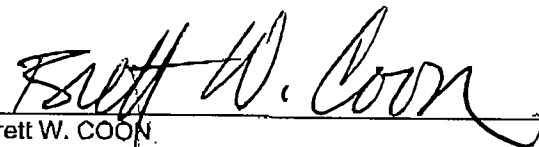
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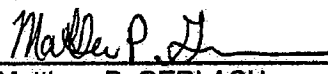
Brett W. COON

- 3) _____, 2012

Stuart F. OBERMAN

- 4) _____, 2012

Ming Y. SIU

- 5) October 30, 2012


Matthew P. GERLACH