

## PATENT ASSIGNMENT

Electronic Version v1.1

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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>Samuel H. DUNCAN</td> <td>10/11/2012</td> </tr> <tr> <td>Gary WARD</td> <td>10/11/2012</td> </tr> <tr> <td>M. Wasiur RASHID</td> <td>10/11/2012</td> </tr> <tr> <td>Lincoln G. GARLICK</td> <td>10/11/2012</td> </tr> <tr> <td>Wojciech Jan TRUTY</td> <td>10/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	Samuel H. DUNCAN	10/11/2012	Gary WARD	10/11/2012	M. Wasiur RASHID	10/11/2012	Lincoln G. GARLICK	10/11/2012	Wojciech Jan TRUTY	10/11/2012
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<table border="1"> <tr> <td>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		
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CORRESPONDENCE DATA													
<p>Fax Number: 7136234846</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7136234844</p> <p>Email: kneil@pattersonsheridan.com, PSDocketing@pattersonsheridan.com</p> <p>Correspondent Name: PATTERSON &amp; SHERIDAN, LLP</p> <p>Address Line 1: 3040 Post Oak Blvd</p> <p>Address Line 2: SUITE 1500</p> <p>Address Line 4: Houston, TEXAS 77056</p>													
ATTORNEY DOCKET NUMBER:	NVDA/MA-12-0099-US												
NAME OF SUBMITTER:	John C. Carey												
<p>Total Attachments: 2</p> <p>source=NVDA_MA120099US1_ASG#page1.tif</p> <p>source=NVDA_MA120099US1_ASG#page2.tif</p>													

OP \$40.00 13651131

**ASSIGNMENT FOR APPLICATION FOR PATENT**

WHEREAS:

**SAMUEL H. DUNCAN**, residing at  
37 Wollaston Avenue  
Arlington, MA 02476

**GARY WARD**, residing at  
3090 Mauricia Avenue  
Santa Clara, CA 95051

**M. WASIUR RASHID**, residing at  
1814 Queen Victoria Way  
San Jose, CA 95132

**LINCOLN G. GARLICK**, residing at  
1156 Phillips Court  
Santa Clara, CA 95051

**WOJCIECH JAN TRUTY**, residing at  
1411 Oxford St. Apt 8  
Redwood City, CA 94061

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

**TECHNIQUE FOR IMPROVING PERFORMANCE IN MULTI-THREADED  
PROCESSING UNITS**

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  
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.

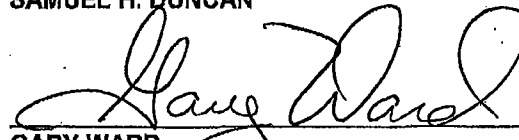
5. I hereby authorize and request my attorneys, Patterson & Sheridan LLP, of 3040 Post Oak Blvd, Suite 1500, Houston Texas 77056, to insert above in parentheses (Application No. and Filing Date) the filing date and application number of said application when known.

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

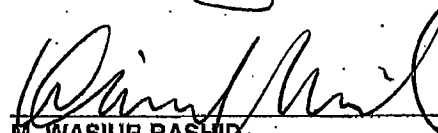
1) 11 OCT, 2012

  
SAMUEL H. DUNCAN

2) 11. Oct, 2012

  
GARY WARD

3) 10/11/, 2012

  
M. WASIR RASHID

4) 10/11, 2012

  
LINCOLN G. GARLICK

5) 10/11, 2012

  
WOJCIECH JAN TRUTY