

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>Dennis K. MA</td> <td>09/10/2012</td> </tr> <tr> <td>Karan GUPTA</td> <td>09/10/2012</td> </tr> <tr> <td>Lei TIAN</td> <td>09/07/2012</td> </tr> <tr> <td>Franck R. DIARD</td> <td>09/17/2012</td> </tr> <tr> <td>Praveen JAIN</td> <td>09/12/2012</td> </tr> <tr> <td>Wei-Je HUANG</td> <td>09/12/2012</td> </tr> <tr> <td>Atul KALAMBUR</td> <td>09/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	Dennis K. MA	09/10/2012	Karan GUPTA	09/10/2012	Lei TIAN	09/07/2012	Franck R. DIARD	09/17/2012	Praveen JAIN	09/12/2012	Wei-Je HUANG	09/12/2012	Atul KALAMBUR	09/13/2012
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Atul KALAMBUR	09/13/2012																
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>Application Number:</td> <td>13620232</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13620232												
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CORRESPONDENCE DATA																	
Fax Number:	7136234846																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	713-623-4844																
Email:	rorlando@pattersonsheridan.com, psdocketing@pattersonsheridan.com																
Correspondent Name:	PATTERSON & SHERIDAN, LLP/NVIDIA																
Address Line 1:	3040 POST OAK BLVD.																
Address Line 2:	SUITE 1500																
Address Line 4:	HOUSTON, TEXAS 77056																

OP \$40.00 13620232

ATTORNEY DOCKET NUMBER:	NVDA/AU-10-0109-US1
NAME OF SUBMITTER:	John C. Carey
<p>Total Attachments: 12</p> <p>source=NVDAAU100109US1_ASG_EF#page1.tif</p> <p>source=NVDAAU100109US1_ASG_EF#page2.tif</p> <p>source=NVDAAU100109US1_ASG_EF#page3.tif</p> <p>source=NVDAAU100109US1_ASG_EF#page4.tif</p> <p>source=NVDAAU100109US1_ASG_EF#page5.tif</p> <p>source=NVDAAU100109US1_ASG_EF#page6.tif</p> <p>source=NVDAAU100109US1_ASG_EF#page7.tif</p> <p>source=NVDAAU100109US1_ASG_EF#page8.tif</p> <p>source=NVDAAU100109US1_ASG_EF#page9.tif</p> <p>source=NVDAAU100109US1_ASG_EF#page10.tif</p> <p>source=NVDAAU100109US1_ASG_EF#page11.tif</p> <p>source=NVDAAU100109US1_ASG_EF#page12.tif</p>	

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Dennis K. MA, residing at
10404 Canyon Vista Way
Austin, TX 78726

Karan GUPTA, residing at
E132, Sector 21,NOIDA
Uttar Pradesh 201301
INDIA

Lei TIAN, residing at
10 Joseph Road
Boxborough, MA 01719

Franck R. DIARD, residing at
6 Allee Des Saules,
Saint-Contest 14280
FRANCE

Praveen JAIN, residing at

Wei-Je HUANG, residing at
264 Bayberry Common
Fremont, CA 94539

Atul KALAMBUR, residing at
#003, Hoysala Sai Shelter,
23/1 D. Rajgopal Road,
Bangalore 560094
INDIA

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

EFFICIENT CPU MAILBOX READ ACCESS TO GPU MEMORY

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.

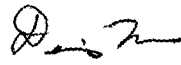
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt 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.

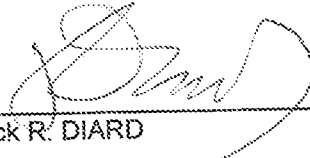
4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

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)	<u>9/10</u> , 2012	 _____ Dennis K. MA
2)	_____, 2012	_____ Karan GUPTA
3)	_____, 2012	_____ Lei TIAN

4) 09/19/2012, 2012



Franck R. DIARD

5) _____, 2012

Praveen JAIN

6) _____, 2012

Wei-Je HUANG

7) _____, 2012

Atul KALAMBUR

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Kor
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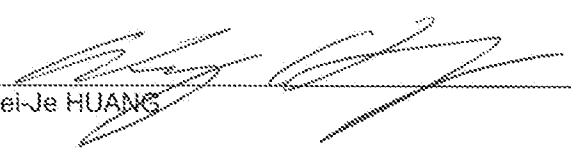
4) _____, 2012

Franck R. DIARD

5) _____, 2012

Praveen JAIN

6) *Sept. 12*, 2012



Wei-Je HUANG

7) _____, 2012

Atul KALAMBUR

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Karan GUPTA

3) Sept. 7, 2012 _____
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- 4) _____, 2012
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- 5) _____, 2012
Praveen JAIN

- 6) _____, 2012
Wei-Je HUANG

- 7) Sept 13, 2012

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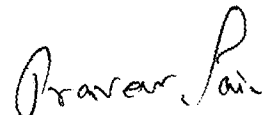
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Karan GUPTA

3) _____, 2012
Lei TIAN

4) _____, 2012

Franck R. DIARD

5) 12th September, 2012

Praveen Jain

Praveen JAIN

6) _____, 2012

Wei-Je HUANG

7) _____, 2012

Atul KALAMBUR