

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Dong-Myung Choi</td> <td>03/08/2013</td> </tr> <tr> <td>Madhusudan Sarda</td> <td>03/08/2013</td> </tr> <tr> <td>Anu Subbaraman</td> <td>03/06/2013</td> </tr> <tr> <td>Kwanjee Ng</td> <td>03/08/2013</td> </tr> </tbody> </table>		Name	Execution Date	Dong-Myung Choi	03/08/2013	Madhusudan Sarda	03/08/2013	Anu Subbaraman	03/06/2013	Kwanjee Ng	03/08/2013
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Kwanjee Ng	03/08/2013										
RECEIVING PARTY DATA											
<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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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>13792558</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13792558						
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CORRESPONDENCE DATA											
<p>Fax Number: 9724808865</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 9724808800</p> <p>Email: carolyn.firestone@hittgaines.com</p> <p>Correspondent Name: Hitt Gainess P.C./Nvidia</p> <p>Address Line 1: P.O. Box 832570</p> <p>Address Line 4: Richardson, TEXAS 75083</p>											
ATTORNEY DOCKET NUMBER:	SC-12-0461-US1										
NAME OF SUBMITTER:	David H. Hitt										
<p>Total Attachments: 4</p> <p>source=NVID-12-0461_Assign#page1.tif</p> <p>source=NVID-12-0461_Assign#page2.tif</p> <p>source=NVID-12-0461_Assign#page3.tif</p> <p>source=NVID-12-0461_Assign#page4.tif</p>											

CH \$40.00 13792558

Serial No.

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

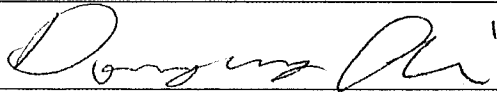
WHEREAS, NVIDIA, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 2701 San Tomas Expressway, Santa Clara, CA 95050 U.S.A, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said NVIDIA, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said NVIDIA, as assignee of my entire right, title and interest.

I also hereby sell and assign to NVIDIA, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said NVIDIA, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said NVIDIA, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE OF INVENTION	WINDOW-ENABLED TIME-TO-DIGITAL CONVERTER AND METHOD OF DETECTING PHASE OF A REFERENCE SIGNAL
SIGNATURE OF INVENTOR AND NAME	 Dong-Myung Choi
RESIDENCE (CITY AND STATE)	Santa Clara, CA
DATE SIGNED	3/8/2013

Serial No.

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and


WHEREAS, NVIDIA, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 2701 San Tomas Expressway, Santa Clara, CA 95050 U.S.A, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

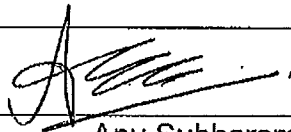
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said NVIDIA, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said NVIDIA, as assignee of my entire right, title and interest.

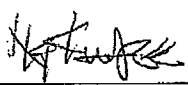
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TITLE OF INVENTION	WINDOW-ENABLED TIME-TO-DIGITAL CONVERTER AND METHOD OF DETECTING PHASE OF A REFERENCE SIGNAL
SIGNATURE OF INVENTOR AND NAME	 _____ Madhusudan Sarda
RESIDENCE (CITY AND STATE)	Bangalore, India
DATE SIGNED	03/08/2013

TITLE OF INVENTION	WINDOW-ENABLED TIME-TO-DIGITAL CONVERTER AND METHOD OF DETECTING PHASE OF A REFERENCE SIGNAL
SIGNATURE OF INVENTOR AND NAME	 Anu Subbaraman
RESIDENCE (CITY AND STATE)	Santa Clara, CA
DATE SIGNED	03/06/2013

TITLE OF INVENTION	WINDOW-ENABLED TIME-TO-DIGITAL CONVERTER AND METHOD OF DETECTING PHASE OF A REFERENCE SIGNAL
SIGNATURE OF INVENTOR AND NAME	 Kwanjee Ng
RESIDENCE (CITY AND STATE)	Campbell, CA
DATE SIGNED	3/8/2013