502177608 12/27/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Vyas Venkataraman	12/19/2012
Manjunath Kudlur	12/19/2012
Vinod Grover	12/21/2012

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13728968

CORRESPONDENCE DATA

Fax Number: 4089389069

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

Phone: 408-938-9060

Email: officeaction@mhbpatents.com

Correspondent Name: NVIDIA C/O MURABITO, HAO & BARNES LLP

Address Line 1: TWO NORTH MARKET STREET

Address Line 2: THIRD FLOOR

Address Line 4: SAN JOSE, CALIFORNIA 95113

ATTORNEY DOCKET NUMBER:	NVID-P-SC-12-0189-US1
NAME OF SUBMITTER:	Anthony C. Murabito

Total Attachments: 3

source=NVID-P-SC-12-0189-US1_Assignments_Signed#page1.tif source=NVID-P-SC-12-0189-US1_Assignments_Signed#page2.tif source=NVID-P-SC-12-0189-US1_Assignments_Signed#page3.tif

PATENT REEL: 029536 FRAME: 0393 OF \$40.00 13/28968

502177608

Attorney Docket No.: NVID-P-SC-12-0189-US1

Assignment to NVIDIA Corporation

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we Vyas Venkataraman, Manjunath Kudlur, Vinod Grover

do hereby sell, assign, and transfer unto NVIDIA Corporation (hereinafter called NVIDIA), a Delaware Corporation having its principal place of business at 2701 San Tomas Expressway, Santa Clara, CA 95050, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

METHOD AND SYSTEM FOR HETEROGENEOUS FILTERING FRAMEWORK FOR SHARED MEMORY DATA ACCESS HAZARD REPORTS

	d the inventions set forth and descri nd of countries foreign thereto which		
	filed on nerein, and any and all Letters Pate anted thereon or therefor;	ent of the United States a	and the inventions set forth nd of countries foreign thereto
execute and deliver we continuation, divisional its successors and as States and in any oproceedings involving	consideration, I/we agree promptly vithout further compensation any poral or reissue, or other papers which asigns, the inventions described in secontry foreign thereto, and to cong said inventions and in the adjudicate be incurred by me/us in lending suc	wer of attorney, assignment may be necessary or des said application and all pai properate and assist in the ation or reexamination of s	nt, application, whether original, irable fully to secure to NVIDIA, tent rights therein, in the United ne prosecution of interference raid Letters Patent provided the
mortgage, license, or	t with NVIDIA, its successors, assig other agreement affecting the righten and that full right to convey the same	s and property herein conv	veyed has been made to others
In witness whereof, I/	we hereunto set my/our hand(s) and	l seal:	
Inventor's Signature: Vyas Venkataraman	pllel	Date:	12/19/2012
Inventor's Signature: Manjunath Kudlur		Date:	,
Inventor's Signature: Vinod Grover		Date:	
	•		

Page 1 of 1

rev. 11/97 epn

Attorney Docket No.: NVID-P-SC-12-0189-US1

Assignment to NVIDIA Corporation

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we Vyas Venkataraman, Manjunath Kudlur, Vinod Grover

do hereby sell, assign, and transfer unto NVIDIA Corporation (hereinafter called NVIDIA), a Delaware Corporation having its principal place of business at 2701 San Tomas Expressway, Santa Clara, CA 95050, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

METHOD AND SYSTEM FOR HETEROGENEOUS FILTERING FRAMEWORK FOR SHARED MEMORY DATA ACCESS HAZARD REPORTS

	d the inventions set forth and descrited of countries foreign thereto which		
	filed on filed on a parein, and any and all Letters Pate anted thereon or therefor;	nt of the United States an	and the inventions set forth d of countries foreign thereto
execute and deliver w continuation, divisiona its successors and as States and in any c proceedings involving expenses which may l I/we further covenant mortgage, license, or	consideration, I/we agree promptly of ithout further compensation any powal or reissue, or other papers which signs, the inventions described in sountry foreign thereto, and to consaid inventions and in the adjudicable incurred by me/us in lending such with NVIDIA, its successors, assigned that full right to convey the same	ver of attorney, assignment may be necessary or designated application and all pate operate and assist in the tion or reexamination of some cooperation and assistants, and legal representations and property herein conv	t, application, whether original, rable fully to secure to NVIDIA, ent rights therein, in the United e prosecution of interference aid Letters Patent provided the are paid by NVIDIA. Wes that no assignment, grant, eyed has been made to others
In witness whereof, I/v	ve hereunto set my/our hand(s) and	seal:	
Inventor's Signature: Vyas Venkataraman	1 110	Date:	
Inventor's Signature: Manjunath Kudlur	TATU.	Date:	12/19/2012
Inventor's Signature: Vinod Grover		Date:	

Page 1 of 1 rev. 11/97 epn

Attorney Docket No.: NVID-P-SC-12-0189-US1

Assignment to NVIDIA Corporation

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we Vyas Venkataraman, Manjunath Kudlur, Vinod Grover

do hereby sell, assign, and transfer unto NVIDIA Corporation (hereinafter called NVIDIA), a Delaware Corporation having its principal place of business at 2701 San Tomas Expressway, Santa Clara, CA 95050, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

METHOD AND SYSTEM FOR HETEROGENEOUS FILTERING FRAMEWORK FOR SHARED MEMORY DATA ACCESS HAZARD REPORTS

X filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or			
Serial No.: filed on and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;			
And for the above consideration, I/we agree promptly upon request of NVIDIA, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to NVIDIA, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by NVIDIA.			
I/we further covenant with NVIDIA, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;			
In witness whereof, I/we hereunto set my/our hand(s) and seal:			
Inventor's Signature: Vyas Venkataraman	······································	Date:	
Inventor's Signature: Manjunath Kudlur		Date:	
Inventor's Signature: Vinod Grover	Vind Jrn	Date: 12/21/2012	

Page 1 of 1

RECORDED: 12/27/2012

rev. 11/97 epn