## 504881727 04/23/2018

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4928468

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date		
ZIYAD HAKURA	09/30/2013		
JEROME F. DULUK JR.	09/30/2013		

#### **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**

Property Type	Number				
Application Number:	15960332				

### **CORRESPONDENCE DATA**

**Fax Number:** (408)715-1201

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: ARTEGIS LAW GROUP, LLP NVIDIA Address Line 1: 710 LAKEWAY DRIVE, SUITE 185
Address Line 4: SUNNYVALE, CALIFORNIA 94085

ATTORNEY DOCKET NUMBER:	NVDA/SC130119USC1
NAME OF SUBMITTER:	JOHN C. CAREY
SIGNATURE:	/John C. Carey/
DATE SIGNED:	04/23/2018

## **Total Attachments: 2**

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PATENT 504881727 REEL: 045615 FRAME: 0094

## ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Ziyad S. HAKURA, residing at 704 Tennyson Drive Gilroy, CA 95020

Jerome F. DULUK, Jr., residing at 950 California Avenue Palo Alto, CA 95303

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

# TWO-PASS CACHE TILE PROCESSING FOR VISIBILITY TESTING IN A TILE-BASED ARCHITECTURE

enclosed herewith	or tor	Which	application	lor:	Letters	Patent	in	the	United	States	under
Application No.			, filed on			and					
****			<del></del>			•					

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 filling and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filling 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

1 of 2

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) Sept 30, 2013

IYAD S. HAKURA

2) <u>Sept 30</u>, 2013

EROME F. DULUK. JR.