

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027



11-07-2001

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

**NVIDIA**  
(140060-2001)



101893674

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11.7.01

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

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- ☒ Assignment ☐ Security Agreement  
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☐ Mark if additional names of conveying parties attached

Execution Date  
Month Day Year

Name (line 1) **Evans & Sutherland Computer Corporation**

**10-15-2001**

Name (line 2) **aka Accelgraphics, Inc.**

**Second Party**

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

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Name (line 1) **NVIDIA International Inc.**

If document to be recorded  
is an assignment and the  
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of a domestic  
representative is attached.  
(Designation must be a  
separate document from  
Assignment.)

Name (line 2)

Address (line 1) **2701 San Tomas Expressway**

Address (line 2)

Address (line 3) **Santa Clara**

City

**CA**

State/Country

**95050**

Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**FOR OFFICE USE ONLY**

11/06/2001 LMUELLER 00000026 6236408

01 FC:581

320.00 00

**Correspondent Name and Address**

**Area Code and Telephone Number**

**(703) 456-8000**

**Name** **Cooley Godward LLP**

**Address (line 1)** **One Freedom Square**

**Address (line 2)** **Reston Town Center**

**Address (line 3)** **11951 Freedom Drive**

**Address (line 4)** **Reston, Virginia 20190-5601**

**Pages**

Enter total number of pages of the attached conveyance document including any attachments.

# **4**

**Application Number(s) or Patent Number(s)**



Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

**Patent Number(s)**


<b>6236408</b>	<b>5598517</b>	<b>5061919</b>
<b>5821944</b>	<b>5381519</b>	<b>4954819</b>
<b>5651104</b>	<b>5361386</b>	

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT

PCT

PCT

PCT

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PCT

**Number of Properties**

Enter the total number of properties involved.

# **8**

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$ **320.00**

**Method of Payment:**

**Deposit Account**

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Enclosed ☒

Deposit Account ☐

Deposit Account Number:

# **50-1283**

Authorization to charge additional fees:

Yes

☒

No

☐

**Statement and Signature**

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.*

**Duane S. Kobayashi**

**Name of Person Signing**



**Signature**

**11/02/01**

**Date**

## ASSIGNMENT OF PATENT RIGHTS

Evans & Sutherland Computer Corporation, a corporation duly organized under and pursuant to the laws of Utah, and having its principal place of business at 600 Komas Drive, Salt Lake City, UT 84108 (herein referred to as "Assignor") owns the entire right, title and interest in and to invention(s) relating to certain new and useful improvements set forth in Schedule A;

WHEREAS, NVIDIA International Inc., a Cayman Islands company, and having an office at 2701 San Tomas Expressway, Santa Clara, CA 95050 (herein referred to as "Assignee"), is desirous of acquiring the entire right, title, and interest in and to said invention(s), the right to file applications on said invention(s) and the entire right, title and interest in and to any applications, including provisional applications, for Letters Patent of the United States or other countries claiming priority to said applications, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned invention(s), the right to file applications on said invention(s) and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the Paris Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignor is the sole and lawful owner of the entire right, title, and interest in and to the invention(s) set forth in said Letters Patent(s) and in said applications and said Letters Patent(s) and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns that the Assignor will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said invention(s) or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said invention(s) in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent or Patents for said invention(s), without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignor hereby requests the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee, as the Assignee of said invention(s) and the Letters Patent to be issued thereon for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 15 October 2001

By: James R. Oyler  
Name: JAMES R. OYLER  
Title: PRESIDENT & CEO  
Company: Evans & Sutherland Computer Corp.

State of UTAH )

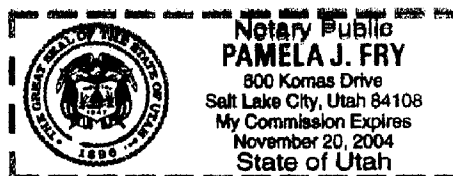
ss.

County of SALT LAKE

On OCTOBER 15, 2001, before me, PAMELA J. FRY, personally appeared JAMES R. OYLER, personally known to me or proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Pamela J. Fry  
Signature of Notary Public



Place Notary Seal Above

## Schedule A

### United States Issued Patents

Title	Issue Date	Patent No.	Inventor(s)
Computer Graphics Pixel Rendering System with Multi-Level Scanning	May 22, 2001	6,236,408	Watkins, Gary S.
Computer Graphics Pixel Rendering System with Multi-Level Scanning	October 13, 1998	5,821,944	Watkins, Gary S.
Computer Graphics System and Process for Adaptive Supersampling	July 22, 1997	5,651,104	Cosman, Michael A.
Computer Graphics Pixel Rendering System with Multi-Level Scanning	January 28, 1997	5,598,517	Watkins, Gary S.
System for Line Interpolation for Computer Graphics Displays	January 10, 1995	5,381,519	Brown, Russell A. Watkins, Gary S.
System for Polygon Interpolation Using Instantaneous Values in a Variable	November 1, 1994	5,361,386	Watkins, Gary S. Brown, Russell A.
Computer Graphics Dynamic Control System	October 29, 1991	5,061,919	Watkins, Gary S.
Computer Graphics Windowing System for the Display of Multiple Dynamic Images	September 4, 1990	4,954,819	Watkins, Gary S.

### Foreign Patents and Patent Applications

Country	Title	Publication Date	Patent/Appl. No.	Inventors
Germany	System for Using Barycentric Coordinates as for Polygon Interpolation	October 18, 1995	DE 3854600	Brown, Russell A. Jensen, Thomas W. Robinson, John A.
Europe	System for Using Barycentric Coordinates as for Polygon Interpolation	October 18, 1995	EP 319165	Brown, Russell A. Jensen, Thomas W. Robinson, John A.
United Kingdom	System for Using Barycentric Coordinates as for Polygon Interpolation	October 18, 1995	GB 319165	Brown, Russell A. Jensen, Thomas W. Robinson, John A.
Japan	System for Using Barycentric Coordinates as for Polygon Interpolation	April 21, 2000	JP 3059178	Watkins, Gary S.
United Kingdom	Computer Graphics Dynamic Control	December 27, 1995	GB 0396377	Watkins, Gary S.
Germany	Computer Graphics Dynamic Control	December 27, 1995	DE 69024403	Watkins, Gary S.

**Schedule A (cont.)**

<b>Country</b>	<b>Title</b>	<b>Publication Date</b>	<b>Patent/Appl. No.</b>	<b>Inventors</b>
Japan	Dynamic Control System for Use with Computer Graphics Apparatus	April 9, 1999	JP 2912419	Watkins, Gary S.
Europe	Computer Graphics Dynamic Control	December 27, 1995	EP 396377	Watkins, Gary S.
Germany	Computer Graphics Pixel Rendering System with Cache Memories	January 8, 1996	DE 19600431	Watkins, Gary S.
United Kingdom	Computer Graphics Pixel Rendering System with Cache Memories	December 29, 1999	GB 2297018	Watkins, Gary S.

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