OIPE JOSS	07-29-2003
FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) P:	U.S. Department of Commerce Patent And Trademark Office
To the Honorable Commissioner of Rate 18 and Trademarks: Please record th.	102510140
1. Name of conveying party(ies): $7-23-0.3$	2. Name and address of receiving party(ies):
Abraham B. de Waal	Name: NVIDIA Corporation
Walter E. Donovan	Internal Address:
Additional name(s) of conveying party(ies) attached? YesX_ No	G
3. Nature of conveyance:	Street Address: 2701 San Tomas Expressway
X Assignment Merger	C'A SALL CA TANDED
Security Agreement Change of Name	City: Santa Clara State: CA Zip: 95050
Other	Additional name(s) & address(es) attached? Yes _X_ No
Execution Dates: July 8, 2003; July 9, 2003	
A. Patent Application No.(s) 10/288.601 B. Patent No.(s) Additional numbers attached?Yes _X_ No	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1 7. Total fee (37 C.F.R. 3.41) \$ 40.00
Name: W. Eric Webostad	Enclosed
Internal Address: Moser, Patterson & Sheridan, LLP	X Authorized to be charged to deposit account
Street Address: _350 Cambridge Avenue, Suite 250	Deposit account number: 20-0782 Please debit underpayment or credit any overpayment to the above deposit account.
Street Address: _350 Cambridge Avenue, Suite 250 City: _Palo Alto State: _California Zip: _94306	Please debit underpayment or credit any overpayment to the above
	Please debit underpayment or credit any overpayment to the above deposit account.
City: Palo Alto State: California Zip: 94306	Please debit underpayment or credit any overpayment to the above deposit account. Our Order No. NVDA P000444 US
City: Palo Alto State: California Zip: 94306 DO NOT US 9. Statement and signature.	Please debit underpayment or credit any overpayment to the above deposit account. Our Order No. NVDA P000444 US (Attach duplicate of this page if paying by deposit account.) E THIS SPACE
City: Palo Alto State: California Zip: 94306 DO NOT US 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and	Please debit underpayment or credit any overpayment to the above deposit account. Our Order No. NVDA P000444 US (Attach duplicate of this page if paying by deposit account.) E THIS SPACE
City: Palo Alto State: California Zip: 94306 DO NOT US 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and W. Eric Webostad, Reg. No. 35,406 Name of Person Signing	Please debit underpayment or credit any overpayment to the above deposit account. Our Order No. NVDA P000444 US (Attach duplicate of this page if paying by deposit account.) E THIS SPACE

Mail documents to be recorded with required cover sheet information to:

Mail Stop: Box Assignments, Commissioner of Patents, P.O. Box 1450

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Atty. Dkt. No.NVDA P000444 US

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Abraham B. de Waal, residing at 7112 Earlswood Court San Jose, CA 95120

Walter E. Donovan, residing at 14226 Sobey Road Saratoga, CÁ 95070

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

METHOD AND APPARATUS FOR DISPLAYING DATA FROM MULTIPLE FRAME BUFFERS ON A SINGLE DISPLAY DEVICE

for which an application for Letters Patent in the United States was filed November 5, 2002 and assigned Application No. 10/288,601 and

WHEREAS, NVIDIA Corporation, a corporation of the State of Delaware, having a place of business at 2701 San Tomas Expressway, Santa Clara, California 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 Assignor(s) to have been received in full from said Assignee:

- Said Assignor(s) 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 division. substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.
- Said Assignor(s) 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 Assignor(s) 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, 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 therefor 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 Assignor(s) in providing such cooperation shall be paid for by said Assignee.

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- 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 Assignor(s), their respective neits, legal representatives and assigns.
- 4. Said Assignor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignor has executed and delivered this instrument to said Assignee on the date indicated below.

8 July , 2003

Abraham B. de Waal

July 9 , 2003

Walter E. Donovan

RECORDED: 07/23/2003