| FORM FTO-1595 (Rev. 6-93) OMB Nc. 0651-0011 (exp. 4/94) | | U.S. Department of Com Patent And Trademark O | merce C ffice A |
|--|---|--|--------------------|
| To the Honorable Commissioner of Patents and Trader | 1024984 marks: riease record the actual | 13or copy thereof. | 83°. |
| Name of conveying party(ies): John Erik Lindholm Rui M. Bastos Harold Robert Feldman Zatz | 6.27.03 | Name and address of receiving party(ies): Name: Nvidia Corporation Internal Address: | 17302 U.S. |
| Additional name(s) of conveying party(ies) attached? _ 3. Nature of conveyance: | _ Yes _X_ No | Street Address: 2701 San Tomas Expressway | |
| | er ge of Name | City: Santa Clara State: California Zip: 95050 | |
| Other Execution Date: June 26, 2003 | | Additional name(s) & address(es) attached? Yes _X_ No | |
| 4. Application number(s) or registration number(s): If this document is being filed together with a new a A. Patent Application No.(s) B. Patent No.(s) | | e of the application is: (Date of Filing) | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Name: James A. Sheridan, Esq. Internal Address: Moser, Patterson & Sheridan, LLP | | 6. Total number of applications and patents involved: 1 | |
| | | 7. Total fee (37 C.F.R. 3.41) \$ 40.00 Enclosed _X_ Authorized to be charged to deposit account | |
| Street Address: 350 Cambridge Avenue, Suite 250 City: Palo Alto State: California | | 8. Deposit account number: 20-0782 Please debit underpayment or credit any overpayment to the a deposit account. Our Order No | bove |
| | | (rimen unpreduce of this page if paying of deposit decount.) | |
| 9. Statement and signature. To the best of my knowledge and belief, the foregoin | DO NOT USE of the property of | THIS SPACE rect and any attached copy is a true copy of the original document. | |
| Stephanie Winner, Reg. No. 52,371 Name of Person Signing | Signature | June 27, 2003 Date I number of pages including cover sheet, attachments and document: 3 | |

Mail documents to be recorded with required cover sheet information to:
Mail Stop: Box Assignments, Commissioner of Patents, P.O. Box 1450
Alexandria, VA 22313-1450

07/15/2003 GTOW11 00000158 200782 10608346

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PATENT REEL: 014259 FRAME: 0442

Attorney Docket No. NVDA P000575 US

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

John Erik Lindholm, residing at 20682 Rice Court Saratoga, CA 95070

Rui M. Bastos, residing at 2250 Monroe Street, #235 Santa Clara, CA 95050

Harold Robert Feldman Zatz, residing at 2368 St. Francis Drive Palo Alto, CA 94303

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

which angligation for Letters Detect in the United States is filed many home

METHOD AND APPARATUS FOR MULTITHREADED PROCESSING OF DATA IN A PROGRAMMABLE GRAPHICS PROCESSOR

| | for which application for Letters Fatent in the United St | ates is filed even herewith, claiming priority |
|------|--|--|
| to a | provisional application assigned application serial number | ; belift, |
| | brotherial abbitogram applied abbitogram. | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| and | | |
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| | | |

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:

- 1. 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.
- 2. 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

1 of 2

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PATENT REEL: 014259 FRAME: 0443 or edditional 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.

- 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 heirs, 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.

Jun 25, 03, 2003

2003

ं/

Harold Dohert Feldman Zat