

11-05-2004



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To the Director of the U.S. Patents and Trademark Office, documents or the new address(es) below.

101976978

1. Name of conveying party(ies)/Execution Date(s):

Karim M. Abdalla October 28, 2004
Robert C. Keller October 28, 2004

Execution Date(s) See above

Additional name of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

2. Name and address of receiving party(ies)

Name: NVIDIA Corporation

Internal Address: _____

Street Address: 2701 San Tomas Expressway

City: Santa Clara

State: California

Country: U.S.A. Zip: 95050

Additional Name(s) & address(es) attached? Yes No

16834 U.S. PTO
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4. Application number(s) or patent number(s):

A. Patent Application No.(s)

101976978

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: James A. Sheridan

Internal Address: Moser, Patterson & Sheridan, LLP

Street Address: 595 Shrewsbury Avenue, Suite 100

City: Shrewsbury

State: New Jersey Zip: 07702

Phone Number : (650) 330-2310

Fax Number: (650) 330-2314

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 20-0782/NVDA P001330

Authorized User Name Moser Patterson & Sheridan

9. Signature :

James A. Sheridan
Signature

James A. Sheridan, Registration No. 25,435

Name of Person Signing

10-29-04
Date

Total number of pages including cover sheet, attachments, and documents

3

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Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT
REEL: 015947 FRAME: 0889

Attorney Docket No. NVDA P001330 US

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Karim M. ABDALLA, residing at
4 Zachary Court
Menlo Park, CA 94025

Robert C. KELLER residing at
793 Los Robles
Palo Alto, CA 94306

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

MEMORY MANAGEMENT SYSTEM HAVING A FORWARD PROGRESS BIT

for which application for Letters Patent in the United States is filed even herewith, claiming priority to a provisional application assigned application serial number , filed ; 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:

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 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 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.

10/28/2004, 2004 K. Abdalla
 Karim M. ABDALLA

10/28/2004, 2004 [Signature]
 Robert C. KELLER

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