


Attorney Docket No. 019680-002800US

Form PTO-1595 (Rev. 10-02) OMB No. 0651-0027 (exp. 5/31/2002)	Recordation Form Cover Sheet PATENTS ONLY	U.S. Department of Commerce U.S. Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof		
1. Name of conveying party(ies): Paolo E. Sabella Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No.	2. Name and address of receiving party(ies) Name: NVIDIA Corporation Internal Address: Street Address: 2710 San Tomas Expressway City: Santa Clara State: CA ZIP: 95050 Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:	Execution Date: <u>2/26/03; 3/11/03</u>	
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No(s): 10/388,112; 03/12/2003 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Cathy E. Cretsinger TOWNSEND AND TOWNSEND AND CREW LLP Two Embarcadero Center, 8 th Floor San Francisco, California 94111-3834 (415) 576-0200	6. Total number of applications and patents involved <u>1</u> 7. Total fee (37 CFR 3.41): <u>\$40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>20-1430</u> (Attach duplicate copy of this page if paying by deposit account)	
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9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> Cathy E. Cretsinger Name of Person Signing Atty. Reg. No. 51,588 </div> <div style="width: 30%; text-align: center;">  Signature </div> <div style="width: 30%; text-align: center;"> <u>6/19/03</u> Date </div> </div>		
Total number of pages including cover sheet, attachments and documents: <u>4</u>		

CH \$40.00 201430 10388112

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Page 2

1. Additional name(s) of conveying party(ies):
(Continued from Page 1)

Nicholas P. Wilt

2. Additional name(s) and address(es) of receiving party(ies):
(Continued from Page 1)

3. Additional application number(s) or patent number(s):
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

SP 146974 v1

Attorney Docket No.: 019680-002800US
Client Reference No.: P000526

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Paolo E. Sabella of 4700 Tassajara Road, #3212, Dublin, CA 94301; Nicholas P. Wilt of 2170 Emerson Street, Palo Alto, CA 943-1 hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **DOUBLE-BUFFERING OF PIXEL DATA USING COPY-ON-WRITE SEMANTICS**

Date(s) of execution of Declaration: 2/26/03; 3/11/03

Filing Date: 03/12/03

Application No.: 10/388,112; and

WHEREAS, NVIDIA Corporation, a corporation of the state of Delaware, located at 2701 San Tomas Expressway, Santa Clara, CA, 95050, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

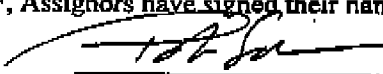
For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.


IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 2/26/03



Paolo E. Sabella

Dated: 3/11/03



Nicholas P. Wilt

SF 1434313 v1

Atty Docket No. 019680-002800US

PTO FAX NO.: 1 703 306-5995

ATTENTION: Examiner

Group Art Unit 2186

TELEPHONE NO.:

**OFFICIAL COMMUNICATION
FOR THE PERSONAL ATTENTION OF
EXAMINER**

CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that the following document(s) in re Application of Paolo E. Sabella, Nicholas P. Wilt, Application No. 10/388,112, filed March 12, 2003 for DOUBLE-BUFFERING OF PIXEL DATA USING COPY-ON-WRITE SEMANTICS is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Document(s) Attached

- 1. Assignment
- 2. PTO - 1595 -Recordation Form

Number of pages being transmitted, including this page: 4

Dated:



 Lata Olivier

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SF 1469935 v1