

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Fred D. Nicklisch</td><td>12/04/2006</td></tr><tr><td>Martin Schwarzer</td><td>12/04/2006</td></tr></tbody></table>		Name	Execution Date	Fred D. Nicklisch	12/04/2006	Martin Schwarzer	12/04/2006
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Fred D. Nicklisch	12/04/2006						
Martin Schwarzer	12/04/2006						
RECEIVING PARTY DATA							
Name:	NVIDIA Corporation						
Street Address:	2701 San Tomas Expressway						
City:	Santa Clara						
State/Country:	CALIFORNIA						
Postal Code:	95050						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11566671</td></tr></tbody></table>		Property Type	Number	Application Number:	11566671		
Property Type	Number						
Application Number:	11566671						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	NVDA/P002288						
NAME OF SUBMITTER:	John C. Carey						
Total Attachments: 2 source=NVDA_P002288_EASGN#page1.tif source=NVDA_P002288_EASGN#page2.tif							

OP \$40.00 11566671

PATENT

500188436

REEL: 018581 FRAME: 0054

Attorney Docket No. NVDA/P002288

ASSIGNMENT FOR APPLICATION FOR PATENT**WHEREAS:**

Fred D. Nicklisch, residing at
Nadlerweg 3
52146 Wuerselen
Germany

Martin Schwarzer, residing at
Botzelaer 39
4851 Gemmenich
Belgium

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

**METHODS AND APPARATUS FOR TOGGLING BETWEEN GRAPHICS PROCESSING UNIT VIDEO
SCANOUTS**

enclosed herewith or for which application for Letters Patent in the United States was filed on
_____, under Serial No. _____, and

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

1. Said Assignors 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 conventional, 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 Assignors 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 Assignors 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, conventional, 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

therefore 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 Assignors 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 Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors 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 Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) 12/04, 2006


Fred D. Nicklisch

2) 12/04, 2006


Martin Schwarzer