05-15-2001 FORM PTO-1619A U.S. Department of Commerce Expires 06/30/99 Patent and Trademark Office OMB 0651-0027 **PATENT** 101716883 **RE** Γ PATENTS ONLY Attorney Docket No. 019680000700 TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies). Submission Type Conveyance Type New New Assignment Security Agreement Resubmission (Non-Recordation) License Change of Name Document ID # Correction of PTO Error Other Reel# Frame # U.S. Government Corrective Document (For Use ONLY by U.S. Government Agencies) Reel# Frame # Departmental File Secret File Conveying Party(ies) Mark if additional names of conveying parties attached Execution Date Month Day Year Name (line 1) Zhu, Benjamin M. 2001 04 17 Name (line 2) **Execution Date** Second Party Day Name (line 1) Name (line 2) Mark if additional names of receiving parties attached **Receiving Party** Name (line 1) 3Dfx Interactive, Inc. If document to be recorded is an assignment and the Name (line 2) receiving party is not domiciled in the United States, an appointment of a domestic Address (line 1) 4435 Fortran Drive representative is attached. (Designation must be a separate document from Address (line 2) Assignment.)

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Correspondent	Name and Addres	Area Code and Telephone Number	415-576-0200
Name	Gregory E. Stanton		
Address (line 1)	Townsend and Townsend and Crew LLP		
Address (line 2)	Two Embarcadero Center		
Address (line 3)	Eighth Floor		
Address (line 4)	San Francisco, CA 94111		
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signed by the first named executing inventor. Patent Cooperation Treaty (PCT)			
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Fee Amount	Fee An	nount for Properties Listed (37 CFR 3.41):	\$ 40.00
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Statement and To the best attached co indicated h	t of my knowledge and opy is a true copy of th	belief, the foregoing information is true to be original document. Charges to deposit	and correct and any account are authorized, as
Gregory E. Stanton			April 70 , 2001
Name of Person Signing		Signature	Date
SF 1215662 v1			

Attorney Docket No.: 19680-000700US

ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, Benjamin M. Zhu, of 551 Kiely Blvd., San Jose, California, 95117, hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

Method and Apparatus For Determining Visibility of Groups

of Pixels

Date(s) of execution of Declaration:

Filing Date:

November 14, 2000

Application No.:

09/713,474; and

WHEREAS, 3Dfx Interactive, Inc., of 4435 Fortran Drive, San Jose, California, 95134, 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 Assignor, Assignor has assigned, and by these presents does 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 any patent application claiming priority from 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 Assignor 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.

Assignor further agrees that Assignor 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 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.

Assignor hereby authorizes and requests 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, Assignor has signed his/her name on the date indicated.

Dated:

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RECORDED: 04/24/2001

enjamin M. Zhu

SF 1199510 v1

PATENT REEL: 011787-FRAME: 0626