# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Charles N. Boyd	02/27/2001
Michael A. Toelle	02/27/2001

## **RECEIVING PARTY DATA**

Name:	Microsoft Corporation
Street Address:	One Microsoft Way
City:	Redmond
State/Country:	WASHINGTON
Postal Code:	98052

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11426485

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: MS147837.07/MSFTP1456US

NAME OF SUBMITTER: Himanshu S. Amin

Total Attachments: 2

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PATENT

**REEL: 017844 FRAME: 0944** 

### ASSIGNMENT

WHEREAS, we, Charles N. Boyd and Michael A. Toelle (hereinafter referred to as ASSIGNORS), having post office addresses of 22726 N.E. 150<sup>th</sup> St., Woodinville, WA 98072 and 3809 130th Ave N.E., Bellevue, WA 98005, respectively, are the joint inventors of an invention entitled "API Communications for Vertex and Pixel Shaders," as described and claimed in the specification forming part of an application for United States letters patent executed herewith:

WHEREAS, MICROSOFT CORPORATION (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purposes of protecting title to said invention or letters patent therefor.

> PATENT REEL: 017844 FRAME: 0945

DOCKET No: MSFT-0238/147837.2	-2-		PATENT
	Chales M	Sound Board	(L.S.)
	Charles	1. Doya	
STATE OF WASHINGTON:}			
}: SS COUNTY OF KING: }			
On this <u>27</u> day of personally came the above named to me to be the same individual acknowledged to me that execution use and purposes therein set forth	who executed the	foregoing assign	nment, and who
	<del></del>		Notary Public
		6-Alle	(L.S.)
	Michael A	A. Toelle	
STATE OF WASHINGTON:} }: SS COUNTY OF KING: }			
On this day of personally came the above named Notion me to be the same individual acknowledged to me that execution use and purposes therein set forth	<b>lichael A. Toelle</b> to who executed the	me personally ki foregoing assign	nown and known nment, and who
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	<del></del>		Notary Public

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**RECORDED: 06/26/2006** 

PATENT REEL: 017844 FRAME: 0946