

PATENT ASSIGNMENT

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 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Amar Patel</td> <td>10/21/2004</td> </tr> <tr> <td>Charles N. Boyd</td> <td>10/21/2004</td> </tr> <tr> <td>David R. Blythe</td> <td>10/21/2004</td> </tr> <tr> <td>Jeff M.J. Noyle</td> <td>10/27/2004</td> </tr> <tr> <td>Michael A. Toelle</td> <td>10/21/2004</td> </tr> <tr> <td>Stephen Harry Wright</td> <td>11/08/2004</td> </tr> </tbody> </table>		Name	Execution Date	Amar Patel	10/21/2004	Charles N. Boyd	10/21/2004	David R. Blythe	10/21/2004	Jeff M.J. Noyle	10/27/2004	Michael A. Toelle	10/21/2004	Stephen Harry Wright	11/08/2004
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RECEIVING PARTY DATA															
Name:	Microsoft Corporation														
Street Address:	One Microsoft Way														
City:	Redmond														
State/Country:	WASHINGTON														
Postal Code:	98052														
PROPERTY NUMBERS Total: 1															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>10934241</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	10934241										
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Application Number:	10934241														
CORRESPONDENCE DATA															
Fax Number:	(215)568-3439														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	215-568-3100														
Email:	sduncan@woodcock.com														
Correspondent Name:	Thomas E. Watson														
Address Line 1:	One Liberty Place, 46th Floor														
Address Line 4:	Philadelphia, PENNSYLVANIA 19103-7301														
NAME OF SUBMITTER:	Sandra K. Duncan														
Total Attachments: 3															

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Filing Date.....September 3, 2004
 Inventorship..... Amar Patel, et al.
 Applicant.....Microsoft Corporation
 Attorney's Docket No.MSFT-4486
 MS Docket No.309138.09
 Title: Systems and Methods for Providing an Enhanced Graphics Pipeline

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Amar Patel
 15325 Redmond Way, Apt. P-278
 Redmond, Washington 98052

Charles N. Boyd
 22726 NE 150th Street
 Woodinville, Washington 98072

David R. Blythe
 10301 NE 64th Street
 Kirkland, Washington 98033

Jeff M.J. Noyle
 5837 112th Place NE
 Kirkland, Washington 98033

Michael A. Toelle
 3809 130th Ave. NE
 Bellevue, Washington 98005

Stephen Harry Wright
 2123 241st St SE
 Bothell, Washington 98021

Assignee:

Microsoft Corporation
 Corporation in the State of Washington
 One Microsoft Way
 Redmond, WA 98052

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "Systems and Methods for Providing an Enhanced Graphics Pipeline," for which:

a provisional application for United States Letters Patent was filed on..... and was given U.S. Serial No. and/or

a non-provisional application for United States Letters Patent was:

filed on September 3, 2004, and was given U.S. Serial No. 10/934,241; or

executed on..... and filed concurrently 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 therefore 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, ASSIGNOR(S) hereby sell, assign and transfer unto 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 ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) 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 purpose of protecting title to said invention or letters patent therefore.

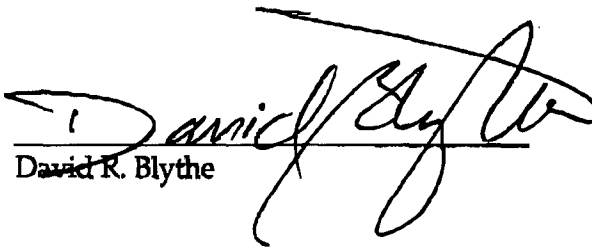
Oct 21, 2004
Date


Amar Patel

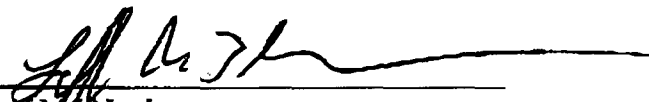
OCT 21ST 2004
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Charles N. Boyd
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