

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>Joseph S. Beda</td><td>06/20/2002</td></tr><tr><td>Adam M. Smith</td><td>06/20/2002</td></tr><tr><td>Gerhard A. Schneider</td><td>06/27/2002</td></tr><tr><td>Kevin T. Gallo</td><td>06/20/2002</td></tr><tr><td>Ashraf A. Michail</td><td>06/20/2002</td></tr></tbody></table>	Name	Execution Date	Joseph S. Beda	06/20/2002	Adam M. Smith	06/20/2002	Gerhard A. Schneider	06/27/2002	Kevin T. Gallo	06/20/2002	Ashraf A. Michail	06/20/2002	
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Microsoft Corporation</td></tr><tr><td>Street Address:</td><td>One Microsoft Way</td></tr><tr><td>City:</td><td>Redmond</td></tr><tr><td>State/Country:</td><td>WASHINGTON</td></tr><tr><td>Postal Code:</td><td>98052</td></tr></table>	Name:	Microsoft Corporation	Street Address:	One Microsoft Way	City:	Redmond	State/Country:	WASHINGTON	Postal Code:	98052			
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PROPERTY NUMBERS Total: 1													
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Application Number:	11454719												
CORRESPONDENCE DATA													
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PATENT
REEL: 018435 FRAME: 0375

Total Attachments: 3

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PATENT

REEL: 018435 FRAME: 0376

Inventorship Beda et al.
 Applicant Microsoft Corporation
 Attorney's Docket No. 3150
 MS Docket No. 191594.2
 Title: Intelligent Caching Data Structure for Immediate Mode Graphics

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

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 Kirkland, Washington 98033

Gerhard A. Schneider
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Kevin T. Gallo
 19235 222nd Way NE
 Woodinville, Washington 98072

Ashraf A. Michail
 15606 NE 40th Street, Q-363
 Redmond, Washington 98052

Assignee:

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

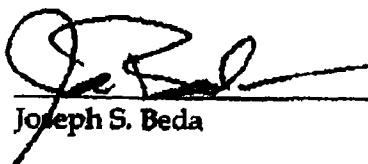
AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled
 "Intelligent Caching Data Structure for Immediate Mode Graphics," as described and claimed
 in the specification forming part of an application for United States letters patent referenced
 above;


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, 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 therefor.

6/20/2002
Date


Joseph S. Beda

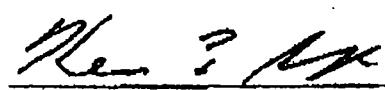
6/20/02
Date


Adam M. Smith

6/27/2002
Date


Gerhard A. Schneider

6/26/2002
Date


Kevin T. Gallo

6/20/2002
Date


Ashraf A. Michail