

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Michael Chen</td><td>07/14/2005</td></tr><tr><td>James A. Stulz</td><td>07/14/2005</td></tr><tr><td>Gregory Hogdal</td><td>07/14/2005</td></tr><tr><td>Mark Larsen</td><td>07/18/2005</td></tr></tbody></table>	Name	Execution Date	Michael Chen	07/14/2005	James A. Stulz	07/14/2005	Gregory Hogdal	07/14/2005	Mark Larsen	07/18/2005	
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Michael Chen	07/14/2005										
James A. Stulz	07/14/2005										
Gregory Hogdal	07/14/2005										
Mark Larsen	07/18/2005										
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"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11184224</td></tr></tbody></table>	Property Type	Number	Application Number:	11184224							
Property Type	Number										
Application Number:	11184224										
CORRESPONDENCE DATA											
Fax Number:	(215)568-3439										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Correspondent Name:	Woodcock Washburn										
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NAME OF SUBMITTER:	Joanne Gallgher										
Total Attachments: 2 source=313215.01#page1.tif source=313215.01#page2.tif											

CH 11184224 \$40.00

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PATENT
REEL: 016581 FRAME: 0952

MS Docket No. MSFT-4986
(OC Docket No. 313215.01)

PATENT ASSIGNMENT

I/WE, Michael Chen, James A. Stulz, Gregory Hogdal and Mark Larsen ("ASSIGNOR"), residing at Kirkland, Washington, Bellevue, Washington, Sammamish, Washington and Redmond, Washington, have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Fast Data Breakpoint Emulation" ("APPLICATION"), which:

☒ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Woodcock Washburn, LLP, 1650 Market Street, Philadelphia, PA 19103, who are associated with customer number 41505, to insert here in parenthesis (U.S. Serial No. _____, filed _____) this APPLICATION'S U.S. Serial Number and filing date, when known;

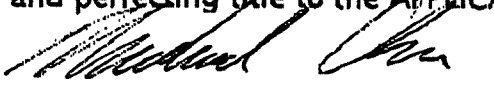
☐ was filed on _____ and was given U.S. Serial No. _____;

☐ is filed concurrently herewith;

Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

 7-14-05

DATE

7-14-2005

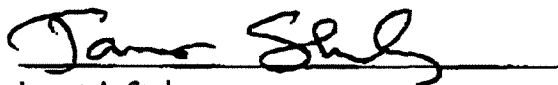
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2/16/2005

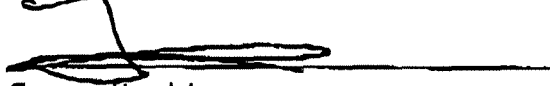
DATE

DATE

Michael Chen



James A. Stulz



Gregory Hogdal

Mark Larsen

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DATE_____
Michael Chen_____
DATE_____
James A. Stulz_____
DATE7/18/2005

DATE_____
Gregory Hogdal_____
Mark S. Larsen